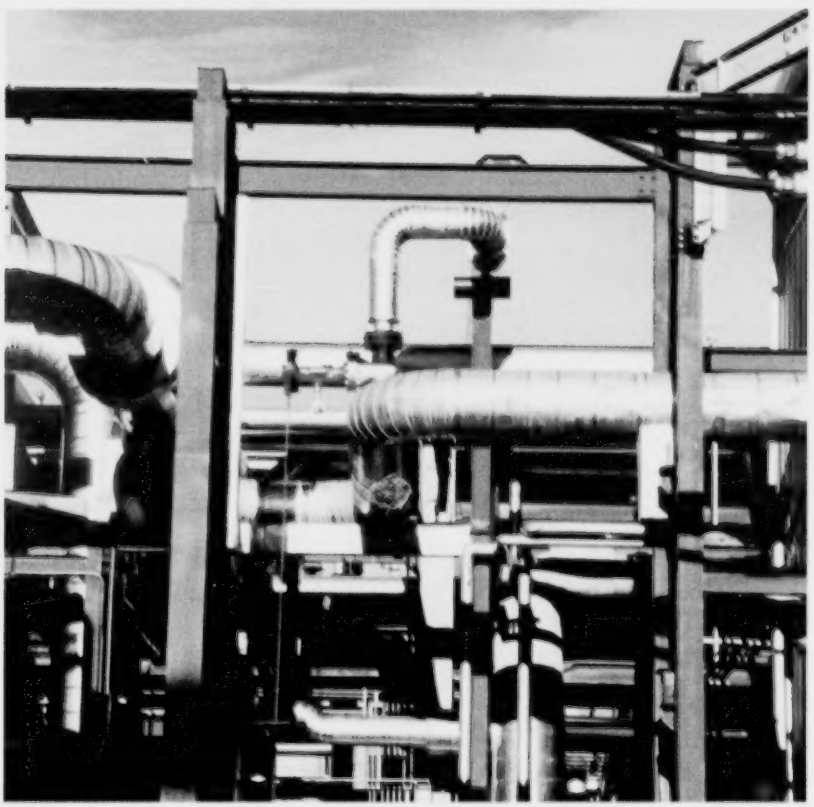
ST60B-2012

ERCB

Upstream Petroleum Industry Flaring and Venting Report

Industry Performance for Year Ending December 31, 2011

September 2012



Energy Resources Conservation Board

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ST60B-2012: Upstream Petroleum Industry Flaring and Venting Report, 2011

September 2012

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Executive Summary

Background

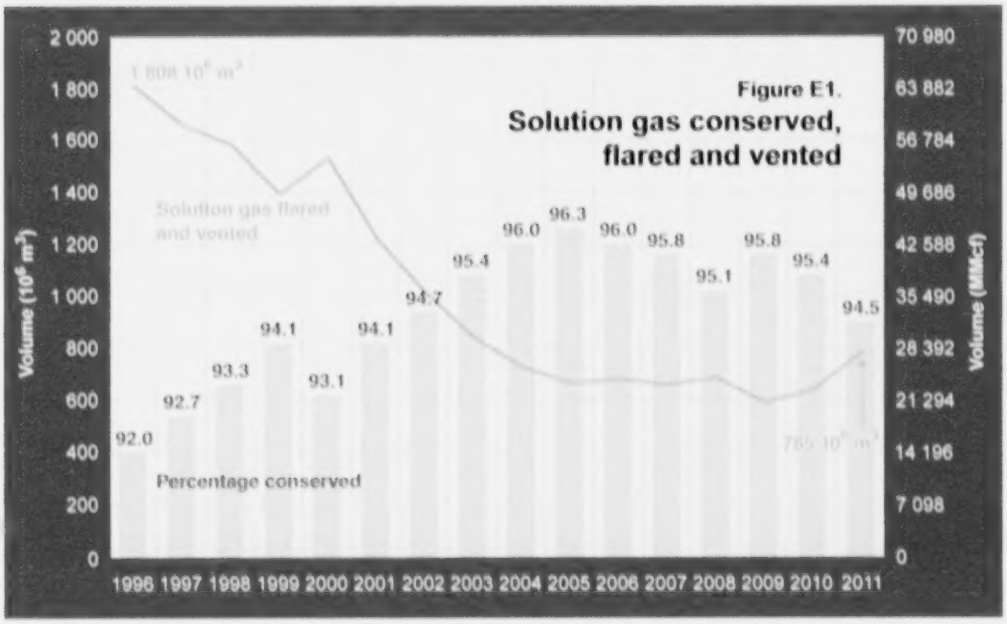
Published annually, the Energy Resources Conservation Board (ERCB) *ST60B: Upstream Petroleum Industry Flaring and Venting Report* fulfills the ERCB's commitment to report on upstream industry flaring and venting performance, as set out in *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting*. The report's primary focus is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report also includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, natural gas transmission lines, and coalbed methane and shale gas activities. The report does not include flared and vented volumes from bitumen upgraders and oil sands mine operations. The data used to compile the report are obtained from the Petroleum Registry of Alberta and the ERCB.

For the purposes of this report:

- Conservation = [Volume of gas produced − (Volume of gas flared + Volume of gas vented)] / Volume of gas produced
- All reported flared volumes include gas that was incinerated, unless otherwise stated.
- Venting is defined as the noncombusted release of gas to the atmosphere.

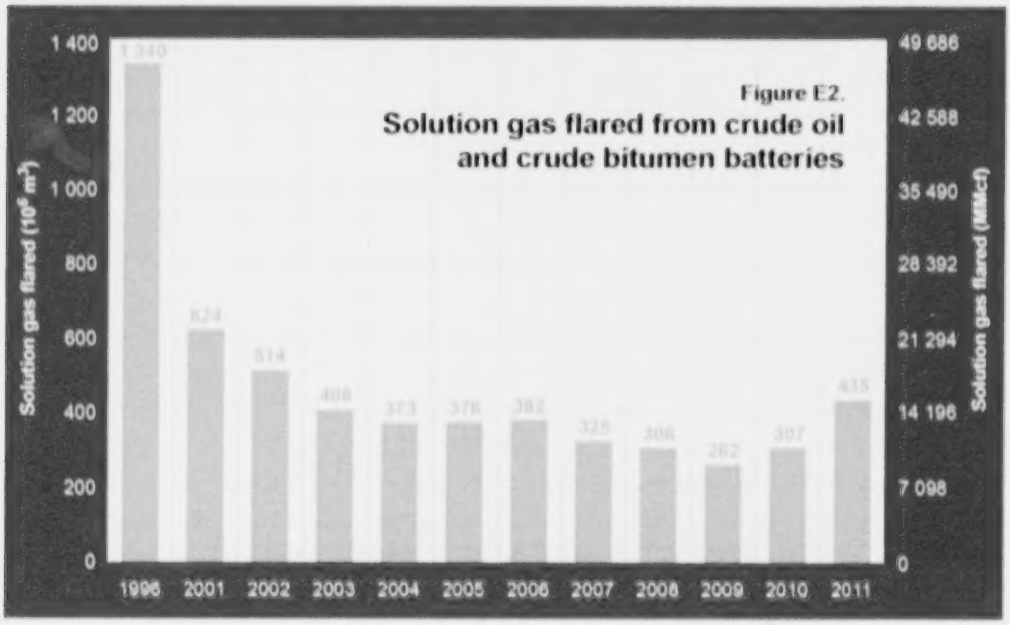
Solution Gas Conservation

Solution gas conservation in 2011 was 94.5 per cent.



Solution Gas Flared

Solution gas flared in 2011 was 67.6 per cent less than the 1996 flaring baseline of 1340 million cubic metres (10^6 m^3) (47 562 million cubic feet [MMcf]).

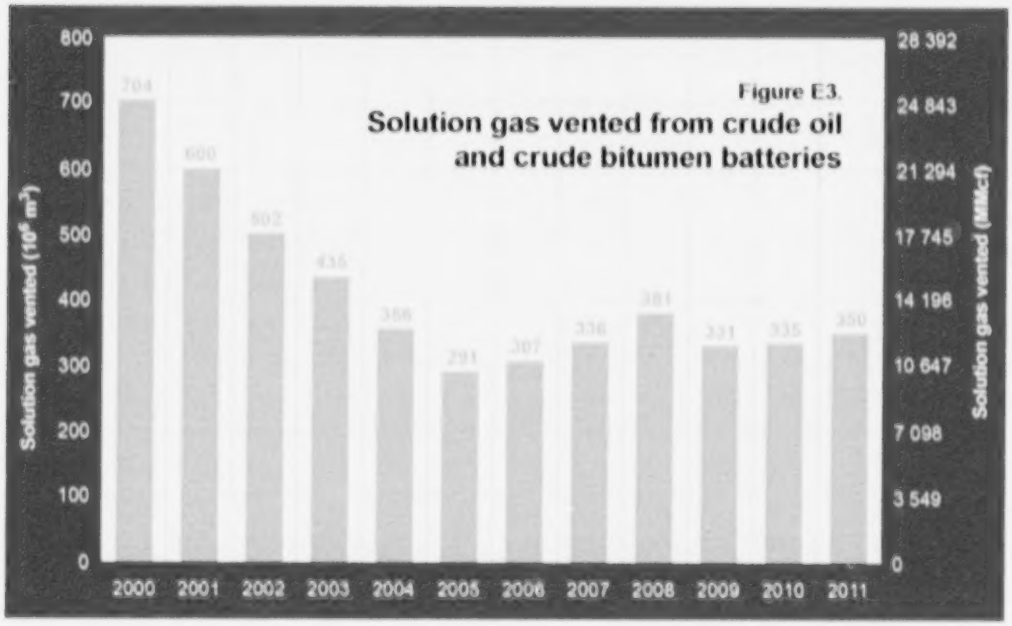


The increase in solution gas flared in 2011 (41.8 per cent) from the previous year can be primarily attributed to an increase in new crude oil production and low gas prices, which makes the economic viability of conservation more challenging.

Crude oil production increased by 7.7 per cent in 2011 to 27.7 10^6 m^3 (983 MMcf) from 25.7 10^6 m^3 (912 MMcf) in 2010.

Solution Gas Vented

Solution gas vented in 2011 was 50.3 per cent less than the 2000 venting baseline of 704 10^6 m^3 (24 988 MMcf).



In 2011, there was a 2.1 per cent increase in venting from crude bitumen batteries to 238 10^6 m^3 (8444 MMcf) from 233 10^6 m^3 (8270 MMcf) in 2010. This can be attributed to 302 more crude bitumen batteries operating in 2011 compared with 2010. There was also a 10.9 per cent increase in venting from crude oil batteries to 112 10^6 m^3 (3982 MMcf) from 101 10^6 m^3 (3585 MMcf) in 2010, attributable to 1355 more crude oil batteries operating in 2011 compared with 2010.

In 2011, crude bitumen production increased by 12.0 per cent to 50.3 10^6 m^3 (1785 MMcf) from 44.9 10^6 m^3 (1594 MMcf) in 2010. Crude oil production increased by 7.7 per cent in 2011 to 27.7 10^6 m^3 (983 MMcf) from 25.7 10^6 m^3 (912 MMcf) in 2010.

Discussion

Solution gas conservation increased steadily from 1996 until 2005 except for 2000. Between 2006 and 2011, the conservation rate fluctuated, with the overall rate declining. In 2011, solution gas conservation was 94.5 per cent, compared with 96.3 per cent in 2005. This drop was mainly due to low natural gas prices, which made solution gas conservation more economically challenging.

The viability of solution gas conservation is determined by an economic test, as specified in Section 2 of *Directive 060: Upstream Petroleum Industry Flaring, Incineration, and Venting*. In times of high labour and services costs and relatively low gas prices, the economic viability of conservation is more challenging.

For information on flaring, incinerating, and venting requirements, see *Directive 060*. For questions regarding flaring, incinerating, venting, or this report, contact the ERCB Technical Operations Group through the Customer Contact Centre at 403-297-8311 or toll-free at 1-855-297-8311.

1 Introduction

Reducing routine flaring and venting of solution gas has been an Energy Resources Conservation Board (ERCB) priority since 1938, the year the Turner Valley Gas Conservation Board (predecessor to the ERCB) was formed to address reservoir management problems in southern Alberta.

Alberta energy resource conservation, public safety, environmental protection, and information dissemination are core ERCB functions. The ERCB's activities and partnership work on routine flaring and venting reduction address conservation and public safety. *ST60B: Upstream Petroleum Industry Flaring and Venting Report*, published annually, fulfills the ERCB's information mandate on flaring and venting and is part of a commitment made in *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting* (Section 11) to make flaring and venting data more accessible.

The primary focus of *ST60B* is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report also includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, natural gas transmission lines, and coalbed methane and shale gas activities. The report does not include flared and vented volumes from bitumen upgraders and oil sands mine operations. The data used to compile the report are obtained from the Petroleum Registry of Alberta and the ERCB.

For the purposes of this report:

- Conservation = [Volume of gas produced − (Volume of gas flared + Volume of gas vented)] / Volume of gas produced
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- Venting is defined as the noncombusted release of gas to the atmosphere.

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Background

The ERCB, in conjunction with the disbanded consensus-based, multistakeholder Flaring and Venting Project Team of the Clean Air Strategic Alliance (CASA), helped develop flaring and venting management recommendations for the Province of Alberta. The recommendations included determining flaring and venting baselines, flaring reduction targets, and operational requirements for the upstream oil and gas industry. The ERCB adopted the recommendations put forward by CASA and incorporated them into the 1999 edition of *Guide 60: Upstream Petroleum Industry Flaring Guide* (subsequently known as *Directive 060*). The ERCB will continue to support the CASA approach and work with industry and other stakeholders to reduce the volume of solution gas flared and vented in Alberta.

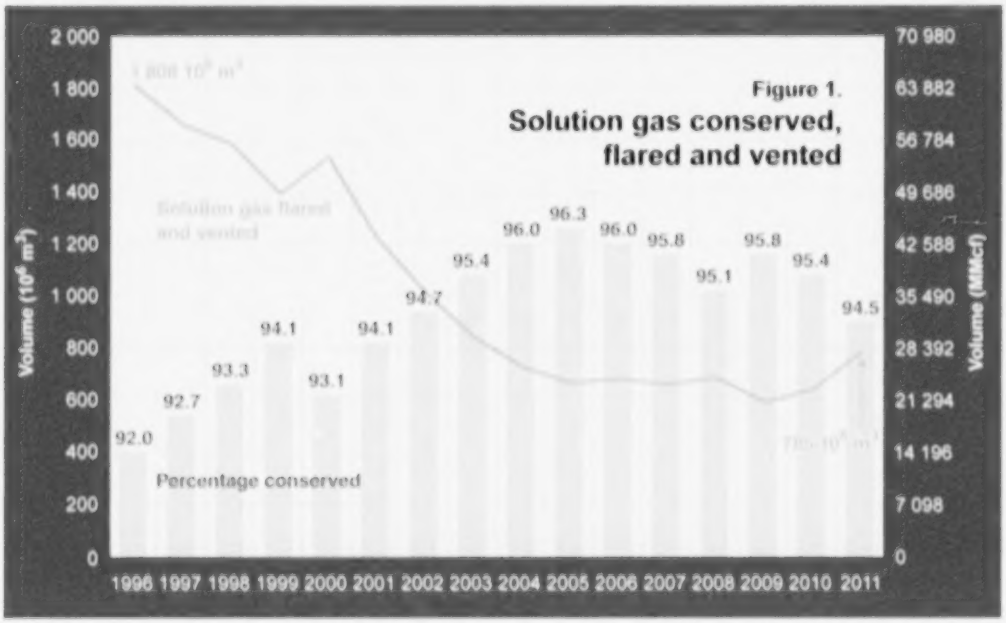
Alberta's success in reducing flaring and venting has been acknowledged internationally. In 2002, the World Bank invited Alberta to participate in a global gas flaring reduction initiative. The success of Alberta's flaring reduction efforts and the constructive CASA approach were attractive to the World Bank. Drawing on what it learned from the then

Alberta Energy and Utilities Board (EUB, predecessor to the ERCB) and other international jurisdictions, the World Bank, developed and published its voluntary standard for global gas flaring reduction. The voluntary standard sets out a framework on how to reduce flaring and venting associated with crude oil production worldwide. In 2004, the EUB formally endorsed the Global Gas Flaring Reduction Standard, and the ERCB continues to provide technical assistance in developing global standards and in developing regulatory capacity in member countries. Information about the World Bank's Global Gas Flaring Reduction Standard is available from the World Bank Global Gas Flaring Reduction Partnership (www.worldbank.org/ggfr.htm).

The CASA Flaring and Venting Project Team issued its final report in December 2010. The report contained two consensus recommendations: (1) update the net present value (NPV) economic test each time *Directive 060* is updated to take into account inflation, and (2) investigate well-test time limits and tie-in time limits for heavy oil to see if these limits can be shortened. The ERCB Production Operations Section is currently working on a project to investigate heavy oil well-test and tie-in times to see if they can be shortened.

2 Solution Gas Conserved, Flared and Vented, 1996–2011

Industry achieved a 94.5 per cent solution gas conservation rate in 2011, compared with 95.4 per cent in 2010, a decrease of 0.9 percentage points (see Figure 1).



The combined volume of flared and vented solution gas increased to 785 million cubic metres (10^6 m^3) (27 856 million cubic feet [MMcf]) in 2011 from 641 10^6 m^3 (22 762 MMcf) in 2010.[1] This represents an increase of 144 10^6 m^3 (5093 MMcf), or 22.4 per cent.

The decline in conservation in 2011 of 0.9 percentage points can be directly attributed to new crude oil and crude bitumen production during the year and low gas prices, which made solution gas conservation economically challenging.

The data from all crude oil and crude bitumen batteries were used in calculating the percentage of solution gas conserved. Gas conserved includes gas delivered to a pipeline for sale and that used as fuel for facilities and equipment, as well as for alternative uses, such as power generation.

[1] Actual values have been rounded to the nearest 10^6 m^3 and MMcf respectively. A factor of 35.494 was used to convert from 10^6 m^3 to MMcf.

3 Solution Gas Flaring and Venting Performance

The 2011 flared volumes were 67.6 per cent less than the 1996 flaring baseline, and the 2011 vented volumes were 50.3 per cent less than the 2000 venting baseline. Summaries of the actual reductions for the past thirteen years for flaring and eleven years for venting are given in Tables 1 and 2.

Table 1. Solution gas flaring reduction (compared with 1996 baseline)

Year	Reduction (%)
1999	30
2000	38
2001	53
2002	62
2003	70
2004	72
2005	72
2006	71
2007	76
2008	77
2009	80
2010	77
2011	68

Table 2. Solution gas venting reduction (compared with 2000 baseline)

Year	Reduction (%)
2001	15
2002	29
2003	38
2004	49
2005	59
2006	56
2007	54
2008	43
2009	53
2010	53
2011	50

The years 1996 and 2000 were selected as the baseline years for solution gas flaring and venting respectively because these topics were addressed by the CASA Flaring and Venting Project Team with the latest data available at those times.

Crude bitumen batteries accounted for 36.3 per cent of the solution gas flared and vented in 2011, with 83.5 per cent of this volume being vented. The ERCB will continue to work with all stakeholders, through CASA, to identify venting reduction strategies and opportunities to implement measures designed to achieve further reductions.

Table 3 shows the change in conservation rates for crude bitumen batteries and crude oil batteries in 2011 compared with 2010, as well as the change in gas production and flaring and venting.

Table 3. Solution gas conservation rates for crude oil and crude bitumen batteries, 2010–2011

	Conservation rate (%)			Gas production	Flared and vented
Type	2010	2011	2011 vs. 2010 (percentage point change)	2011 vs. 2010 (percentage point change)	2011 vs. 2010 (percentage point change)
Crude oil batteries	97.2	95.9	-1.3	3.6	52.8
Crude bitumen batteries	84.1	86.2	2.1	4.6	-9.3
Crude oil & crude bitumen batteries	95.4	94.5	-0.9	3.8	22.4

Discussion

Table 3 shows actual changes in solution gas conservation compared with increases or decreases in overall solution gas production. Comparing 2010 and 2011 data, it can be seen that solution gas production at both crude oil and crude bitumen batteries increased in 2011. The table also shows that solution gas conservation at crude oil batteries decreased in 2011 compared with 2010. At crude bitumen batteries, solution gas conservation increased in 2011.

Starting with the edition effective January 31, 2007, *Directive 060* requires that all solution gas flares or vents releasing more than 900 m^3/day (32 thousand [10^3] cf) must be economically evaluated to see if gas conservation is viable. If the NPV of the gas conservation project at crude oil batteries is found to be greater than negative $50 000, the well or battery must not be produced until the gas is conserved. At crude bitumen batteries, as soon as gas flow rates exceed an average of 900 m^3/day for any consecutive three-month period within a rolling six-month window, operators have up to six months to conserve the solution gas if the NPV of the gas conservation project is greater than negative $50 000. Prior to 2007, *Directive 060* required at minimum a neutral NPV (i.e., $0.00) before solution gas conservation was necessary.

Notwithstanding the change to the solution gas conservation NPV threshold, lower natural gas prices and higher pipeline and compression capital costs in 2011 continued to negatively impact the economic viability of conservation.

Flaring from crude oil batteries increased to 388 10^6 m^3 (13 768 MMcf) in 2011 from 226 10^6 m^3 (8022 MMcf) in 2010. This represents an increase of 162 10^6 m^3 (5746 MMcf), or 71.6 per cent.

Venting from crude oil batteries increased to 112 10^6 m^3 (3982 MMcf) in 2011 from 101 10^6 m^3 (3585 MMcf) in 2010. This represents an increase of 11 10^6 m^3 (398 MMcf), or 10.9 per cent.

Flaring from crude bitumen batteries decreased to 47 10^6 m^3 (1661 MMcf) in 2011 from 81 10^6 m^3 (2875 MMcf) in 2010. This represents a decrease of 34 10^6 m^3 (1214 MMcf), or 42.2 per cent.

Venting from crude bitumen batteries increased to 238 10^6 m^3 (8444 MMcf) in 2011 from 233 10^6 m^3 (8270 MMcf) in 2010. This represents an increase of 5 10^6 m^3 (174 MMcf), or 2.1 per cent.

The decrease in solution gas conservation from 95.4 per cent in 2010 to 94.5 per cent in 2011 and increase in solution gas flaring and venting can be correlated with the following:

1) The price for natural gas remained low during 2011, making solution gas conservation economically challenging.

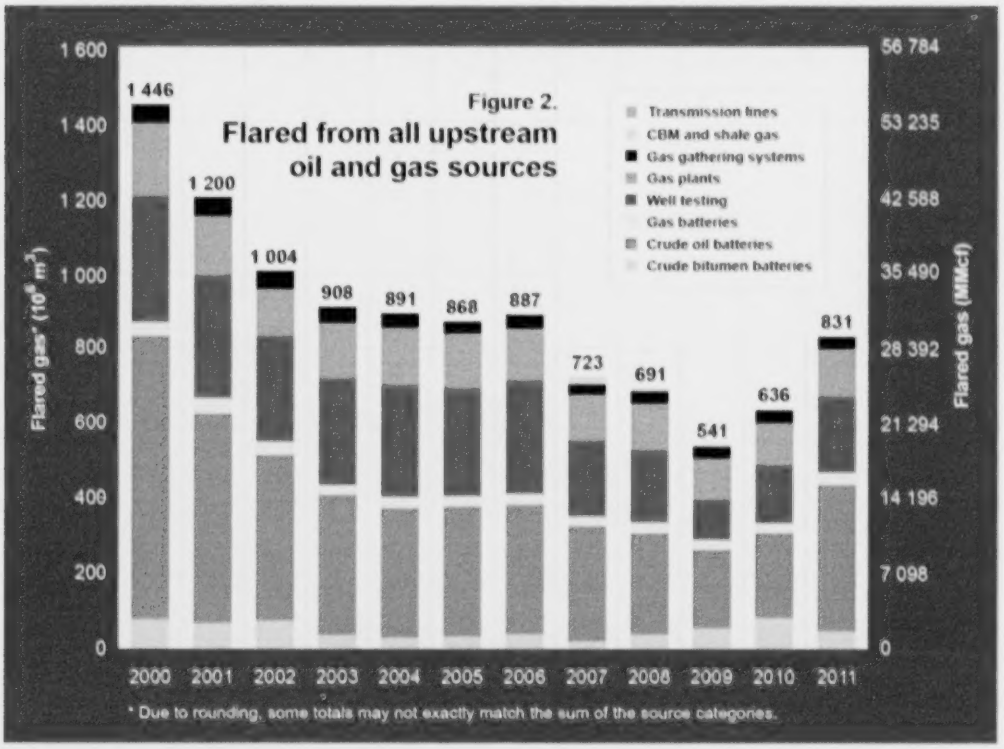
2) The number of crude oil batteries reporting production in 2011 increased by 1355, from 9857 in 2010 to 11 213 in 2011. This resulted in more solution gas flaring and venting at crude oil batteries in 2011.

The oil and gas industry is constructively using a large portion of produced solution gas from crude bitumen operations as fuel to run pump motors and tank heaters. Unfortunately, conserving the remaining small volume of gas is more economically challenging. Although it recognizes this economical challenge, the ERCB continues to be concerned with increases in flaring and venting with respect to bitumen production.

More information on flaring and venting can be found on the ERCB website www.ercb.ca.

4 Flaring from All Upstream Oil and Gas Sources, 2000–2011

The total volume flared from all upstream oil and gas sources in 2011 was 831 10^6 m^3 (29 496 MMcf), an increase of 30.7 per cent from 2010 (see Figure 2).



The data in Table 4 were used to prepare Figure 2.

Table 4. Flaring from upstream oil and gas sources (10^6 m^3)*

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries	Well testing	Gas plants**	Gas gathering systems**	Transmission lines	CBM & shale gas	Total	Total (MMcf)
2000	76	755	36	335	196	48	0	0	1 446	51 324
2001	66	558	41	326	159	50	0	0	1 200	42 593
2002	73	441	35	280	127	48	0	0	1 004	35 636
2003	36	372	25	284	149	42	0	0	908	32 229
2004	29	343	28	300	153	38	0	0	891	31 625
2005	33	344	27	287	147	31	0	0	868	30 809
2006	39	343	28	301	140	36	0	0	887	31 483
2007	20	305	25	201	124	28	0	20	723	25 662
2008	38	268	28	192	126	32	2	6	691	24 526
2009	54	208	26	106	111	31	2	3	541	19 208
2010	81	226	25	154	114	33	2	1	636	22 562
2011	**47**	**388**	**32**	**203**	**127**	**32**	**1**	**1**	**831**	**29 496**
2011 vs 2010	-42.0%	71.7%	29.8%	31.8%	11.4%	-3.0%	-50.0%	0.0%	30.7%	30.7%

* Due to rounding, some totals may not exactly match the sum of the source categories.

** The figures for gas plants and gas gathering systems include both flared *and* vented volumes for the years 2000 to 2006.

In 2011, of 1078 gas plants reporting receipts, 433 gas plants flared a total of 127 10^6 m^3 (4511 MMcf), an 11.5 per cent increase from 2010. All gas plant subtypes contribute to this report; they include sweet gas, acid gas flaring, acid gas injection, sulphur recovery, straddle, and fractionation. A total of 21 plants accounted for about 50 per cent of the volumes flared at gas plants in 2011.

In 2011, 50 per cent of the total volume flared from gas gathering systems came from 11 of the 4790 systems.

Flaring from gas batteries increased by 29.8 per cent in 2011 compared with 2010.

Excluding well tests conducted in-line, the number of well tests that flared in 2011 was 2379, compared with a total of 2425 in 2010, a decrease of 46, or 1.9 per cent. The cumulative volume of gas flared for all well tests increased by 31.8 per cent to 203 10^6 m^3 (7166 MMcf).

When considering all well tests conducted in 2011, the average gas volume flared per test was 83.20 10^3 m^3 (3.0 MMcf), compared with 63.51 10^3 m^3 (2.3 MMcf) per test in 2010, an increase of 31.0 per cent (see Table 5). This can be attributed to an increase in the number of horizontal multistage fracturing operations in 2011. It takes longer to recover load fluids and clean out wells in these operations, which results in greater flare volume and flaring duration.

The reported flare volumes during well testing may have included some carbon dioxide (CO_2) and nitrogen (N). An ERCB review of 30 batteries that flared during well testing showed that 10–15% of the flared gas was either CO_2 or N. The volumes of these gases were subtracted by the ERCB from the reported flared volumes to get the actual hydrocarbon gas that was flared at these batteries.

Table 5. Average volume of gas flared per well test

Year	Volume (10^3 m^3)
2005	34.60
2006	40.82
2007	40.06
2008	45.60
2009	39.25
2010	63.51
2011	83.20

Directive 060 requires that operators seek alternatives to well test flaring. Operators are required to test in-line when it is both economically viable and safe to do so. Testing in-line can mean either connecting to an existing gas gathering system directly or laying a temporary surface pipeline to connect a well to a remote gas gathering system. In either method, the gas from the well test is conserved.

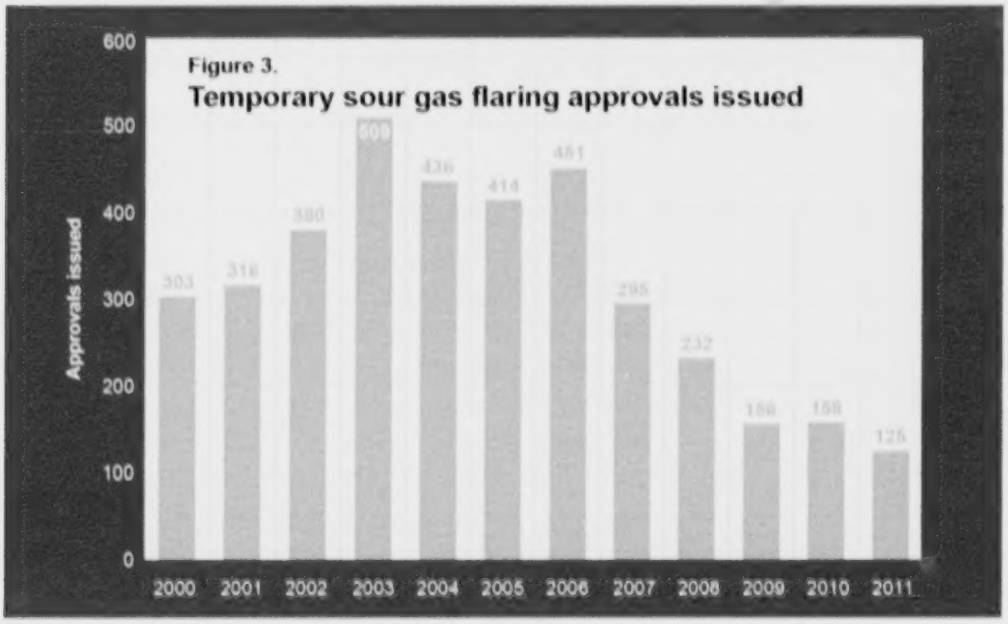
The data in Table 6 represent the flaring from well tests conducted by 25 companies in 2011 and the average volume of gas flared per test.

Table 6. Well test flaring, 2011: Ranked by number of well tests conducted

Company	Well tests (#)	Gas flared (10^6 m³)	Gas flared (MMcf)	Average gas flared/test (10^3 m³)	Average gas flared/test (MMcf)
EnCana Corporation	798	17.7	628.2	22.2	0.8
ConocoPhillips Canada Resources Corp.	191	14.8	525.3	77.5	2.8
Shell Canada Limited	171	0.0	0.0	0.0	0.0
Tourmaline Oil Corp.	142	12.2	433.0	85.9	3.0
Canadian Natural Resources Limited	104	3.3	117.1	31.7	1.1
TAQA North Ltd.	103	9.2	326.5	89.3	3.2
Fairborne Energy Ltd.	93	6.8	241.4	73.1	2.6
Bonavista Energy Corporation	56	17.9	635.3	319.6	11.3
Vermilion Resources Ltd.	51	12.3	436.6	241.2	8.6
Guide Exploration Ltd.	44	2.1	74.5	47.7	1.7
Devon Canada Corporation	42	1.8	63.9	42.9	1.5
Peyto Exploration & Development Corp.	42	1.5	53.2	35.7	1.3
Arcan Resources Ltd.	39	2.0	71.0	51.3	1.8
Husky Oil Operations Limited	29	0.1	3.5	3.4	0.1
Angle Energy Inc.	26	3.0	106.5	115.4	4.1
Whitecap Resources Inc.	26	2.8	99.4	107.7	3.8
Exshaw Oil Corp.	23	0.7	24.8	30.4	1.1
Sinopec Daylight Energy Ltd.	23	3.4	120.7	147.8	5.2
Birchcliff Energy Ltd.	22	3.3	117.1	150.0	5.3
Penn West Petroleum Ltd.	21	2.4	85.2	114.3	4.1
Celtic Exploration Ltd.	20	5.8	205.9	290.0	10.3
Direct Energy Marketing Limited	20	0.7	24.8	35.0	1.2
Trilogy Resources Ltd.	20	10.6	376.2	530.0	18.8
Advantage Oil & Gas Ltd.	18	4.5	159.7	250.0	8.9
Suncor Energy Inc.	18	1.3	46.1	72.2	2.6
Subtotal	2 142	140.2	4 976.3		
% of total well tests	81.2%	70.8%	70.8%		

In cases of sour gas or sour oil well testing, if the gas to be flared contains greater than 5 per cent hydrogen sulphide (H_2S) and is to be flared from a temporary flare stack (i.e., not from a facility stack), a sour gas flaring approval is required. The temporary sour gas approval process involves a detailed review of air quality dispersion modelling and is conducted to ensure that Alberta Environment and Sustainable Resource Development's Alberta Ambient Air Quality Objectives (AAAQO) will not be exceeded. The application for a sour gas flaring approval may also include plans that document how any predicted exceedances of the AAAQO will be mitigated. When the ERCB is satisfied that the AAAQO will be met and that all other parameters, such as flared volumes and sulphur emissions, are justified and minimized, a temporary sour gas flaring approval may be issued.

In 2011, the ERCB issued 125 temporary sour gas flaring approvals, a decrease from the 158 issued in 2010 (see Figure 3).



The reason for the decreases in sour gas flaring approvals since 2006 may be twofold. First, market conditions for natural gas have not been as favourable in recent years, which may have resulted in upstream oil and gas licensees rebalancing their capital and operating budgets.

Second, with the release of the revised *Directive 060* at the end of January 2007, a new allowance to flare small volumes of gas containing H_2S volumes in excess of 5 per cent without a sour gas flaring approval was introduced. With this new allowance, companies are still required to conduct dispersion modelling if the H_2S concentration of the gas to be flared is in excess of 1 per cent, and proper notification to the ERCB and public at least 24 hours in advance of flaring operations is still required.

5 Venting from All Upstream Oil and Gas Sources, 2000–2011

The most significant source of venting is crude bitumen batteries, where solution gas is vented from the production casing annulus at a large number of individual wells. In some instances, small volumes of solution gas are also vented from treaters and stock tanks at crude oil and crude bitumen batteries. Venting during well testing is primarily from shallow, sweet, low-deliverability gas wells, including coalbed methane (CBM) wells.

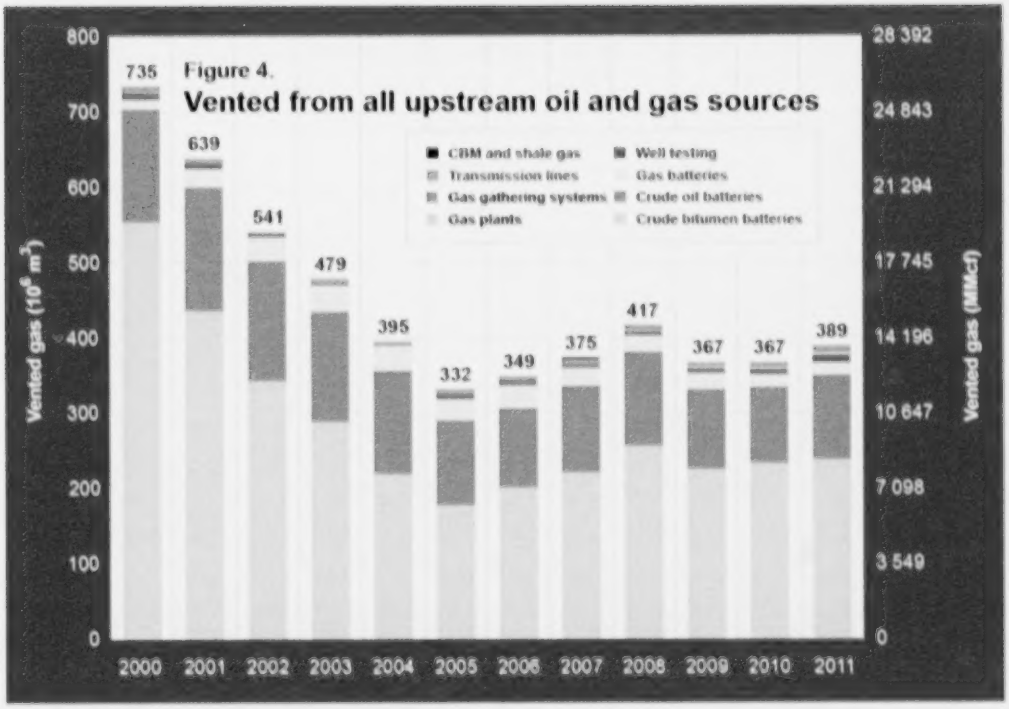
In *ST60B-2004: Upstream Petroleum Industry Flaring and Venting Report, 2003*, the EUB (now the ERCB) made commitments to identify and set out a number of conservation measures aimed at reducing the volumes of solution gas vented from crude bitumen operations. As a result of industry implementing these measures, there was a net decrease in venting from crude bitumen batteries between 2004 and 2007. However, in 2008 this trend was reversed and there was an increase of 16.9 per cent compared with 2004. In 2011, there was an 8.7 per cent increase in venting from crude bitumen batteries compared with 2004.

In 2011, venting from crude bitumen batteries increased by 2.1 per cent to 238 10^6 m^3 (8444 MMcf) from 233 10^6 m^3 (8270 MMcf) in 2010. Crude bitumen production grew by 5.40 10^6 m^3 to 50.3 10^6 m^3 in 2011, an increase of 12.0 per cent compared with 2010, with 302 more crude bitumen batteries operating.

Venting from crude oil batteries increased by 10.9 per cent to 112 10^6 m^3 (3982 MMcf) from 101 10^6 m^3 (3585 MMcf) in 2010. Crude oil production grew by 1.98 10^6 m^3 to 27.7 10^6 m^3 in 2011, an increase of 7.7 per cent compared with 2010, with 1355 more crude oil batteries operating.

The increase in solution gas venting for both crude bitumen and crude oil batteries can be correlated with more crude oil and bitumen wells operating in 2011 compared with 2010 and the ongoing low price of gas.

Figure 4 shows vented volumes broken down by source for 2000 to 2011. The total volume vented from all upstream oil and gas sources in 2011 was 389 10^6 m^3 (13 821 MMcf), an increase of 6.1 per cent from 2010.



The data in Table 7 were used to prepare Figure 4.

Table 7. Venting from upstream oil and gas sources (10^6 m^3)*

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries	Well testing	Gas plant**	Gas gathering systems**	Transmission lines	CBM & shale gas	Total	Total (MMcf)
2000	564	150	12	7	-	-	12	0	735	26 088
2001	436	164	24	7	-	-	8	0	639	22 681
2002	343	159	31	3	-	-	5	0	541	19 202
2003	288	147	34	2	-	-	8	0	479	17 002
2004	219	137	33	1	-	-	5	0	395	14 020
2005	177	113	28	6	-	-	8	0	332	11 784
2006	201	105	30	5	-	-	8	0	349	12 387
2007	221	115	23	4	0	0	8	3	375	13 299
2008	256	125	21	5	2	5	3	0	417	14 797
2009	225	106	21	6	3	3	3	0.2	367	13 033
2010	233	101	16	7	3	4	3	0.1	367	13 026
2011	**238**	**112**	**16**	**10**	**4**	**5**	**4**	**0.4**	**389**	**13 821**
2011 vs 2010	2.1%	10.9%	0.2%	35.4%	33.3%	25.0%	50.0%	300.0%	6.1%	6.1%

* Due to rounding, some totals may not exactly match the sum of the source categories.

** Venting numbers were not available for 2000 to 2006.

Table 7 shows an increase in 2011 compared with 2010 in volumes vented from each upstream oil and gas source.

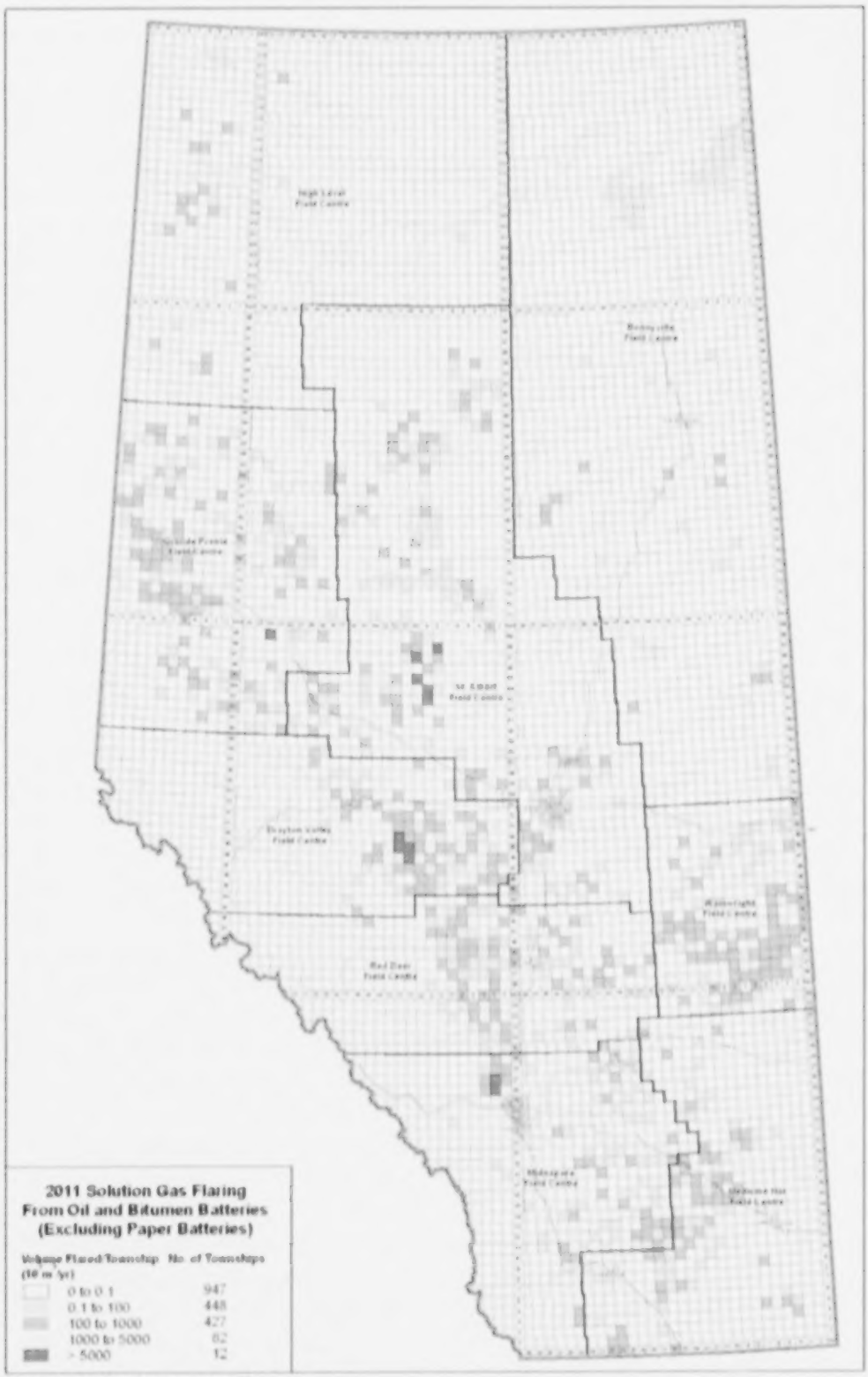
Although the ERCB does not collect data on the emissions of greenhouse gases per se, it is concerned about the impact that these gases can have on the environment. Accordingly, *Directive 060* requires that vented gas that can sustain continuous combustion and that is uneconomic to conserve must be burned.

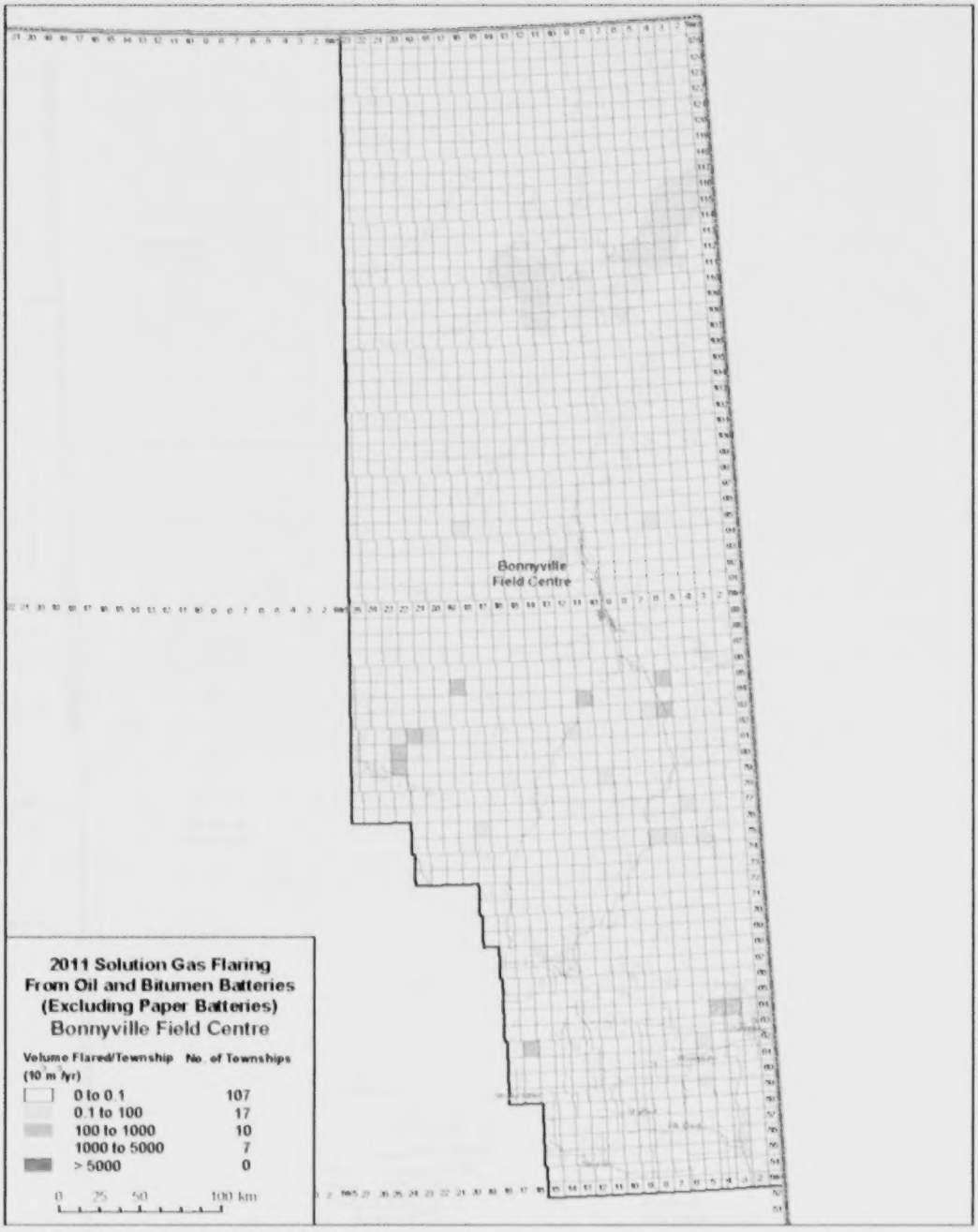
6 Solution Gas Flaring and Venting Maps

In the maps that follow, solution gas flaring and venting data are depicted geographically by township within the province as a whole and within each of the ERCB Field Centre area boundaries. The maps graphically show the townships in which flaring and venting volumes are significant.

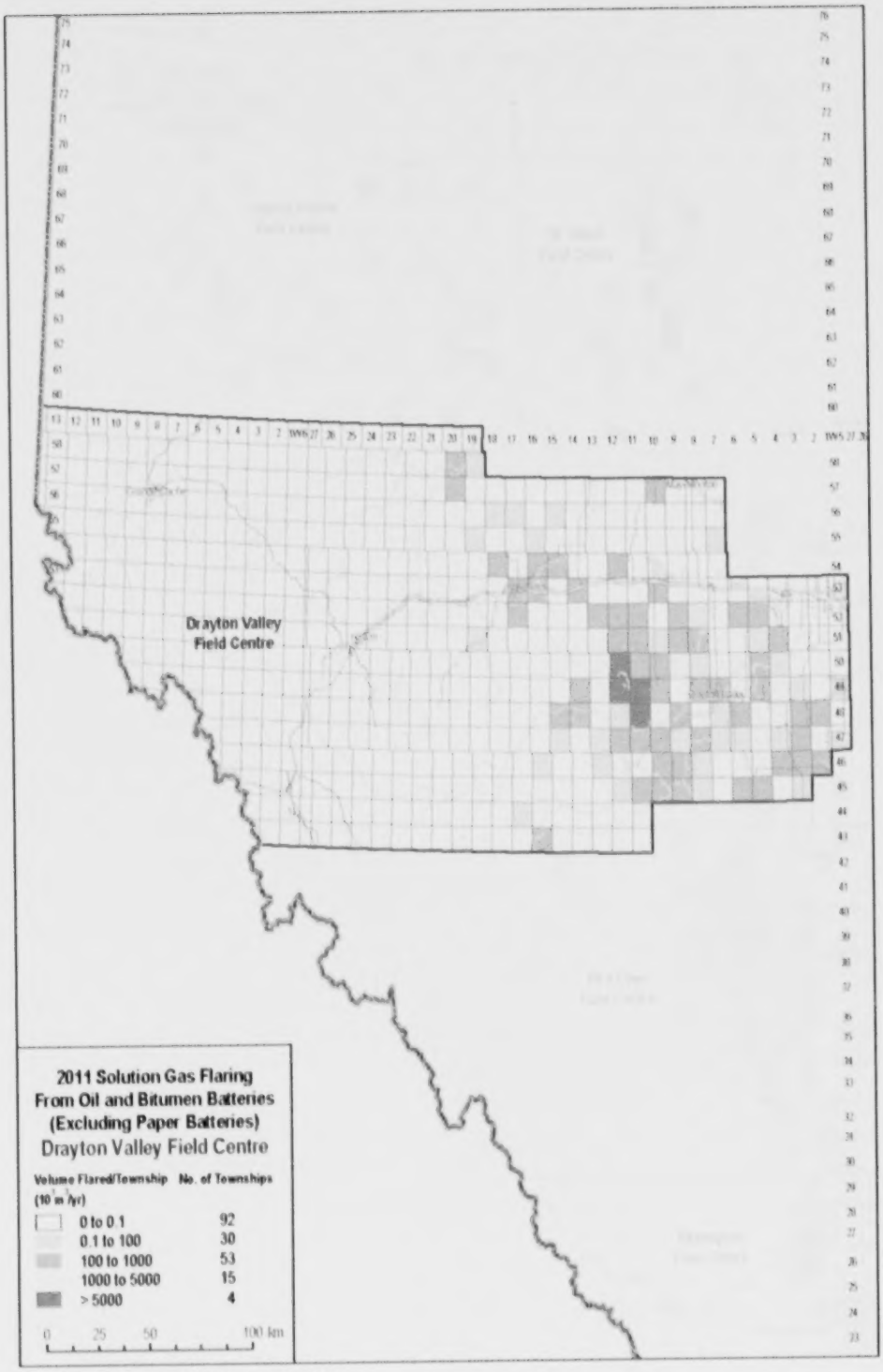
The maps do not display data derived from "paper batteries." Paper batteries are an administrative reporting entity used by production accountants to report production from multiple wells to a single reporting location. Including paper batteries in these maps could result in the incorrect representation of flaring and venting data in townships where the flaring or venting did not actually occur. Flaring and venting from paper batteries are accounted for in the ranking tables of this report.

- Solution Gas Flaring
  - Alberta
  - Bonnyville Field Centre Area
  - Drayton Valley Field Centre Area
  - Grande Prairie Field Centre Area
  - High Level Field Centre Area
  - Medicine Hat Field Centre Area
  - Midnapore Field Centre Area
  - Red Deer Field Centre Area
  - St. Albert Field Centre Area
  - Wainwright Field Centre Area
- Solution Gas Venting
  - Alberta
  - Bonnyville Field Centre Area
  - Drayton Valley Field Centre Area
  - Grande Prairie Field Centre Area
  - High Level Field Centre Area
  - Medicine Hat Field Centre Area
  - Midnapore Field Centre Area
  - Red Deer Field Centre Area
  - St. Albert Field Centre Area
  - Wainwright Field Centre Area


2011 Solution Gas Flaring
From Oil and Bitumen Batteries
(Excluding Paper Batteries)
Volume Flared/Township (10³ m³/yr)
No. of Townships
0 to 0.1
947
0.1 to 100
448
100 to 1000
427
1000 to 5000
82
> 5000
12



Base Data Provided by Spatial Data Warehouse Ltd., 2003



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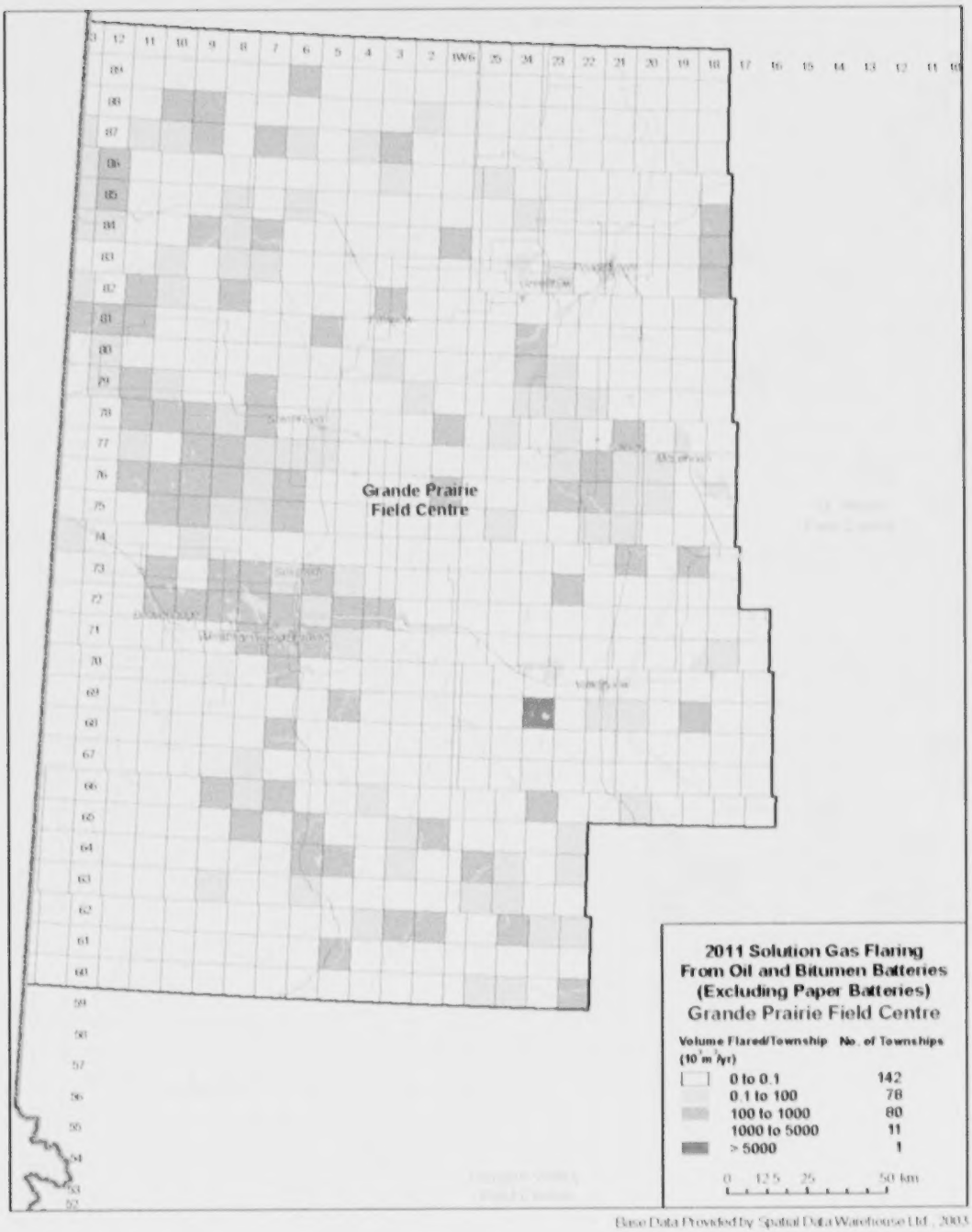
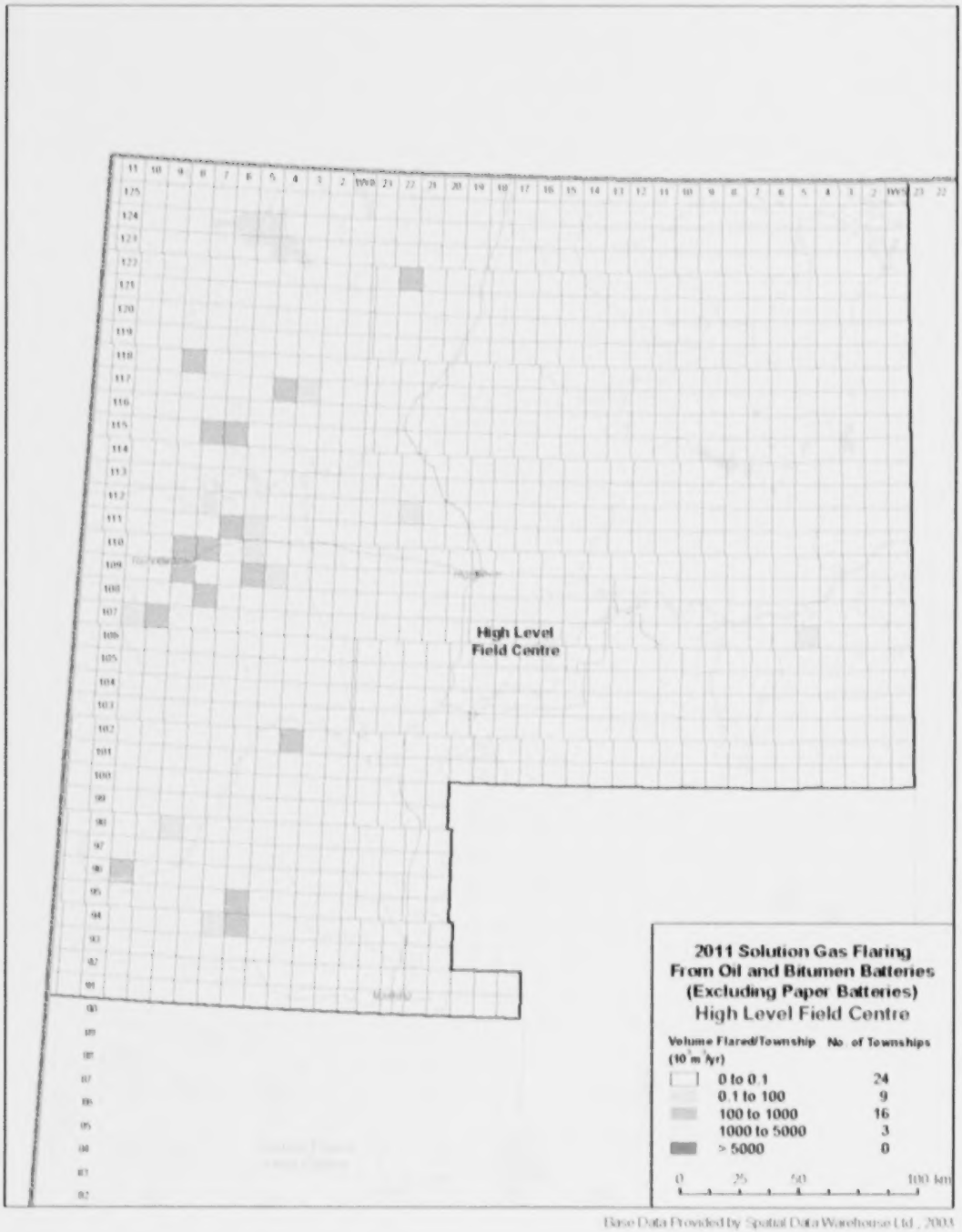


Base Data Provided by Spatial Data Warehouse Ltd., 2003



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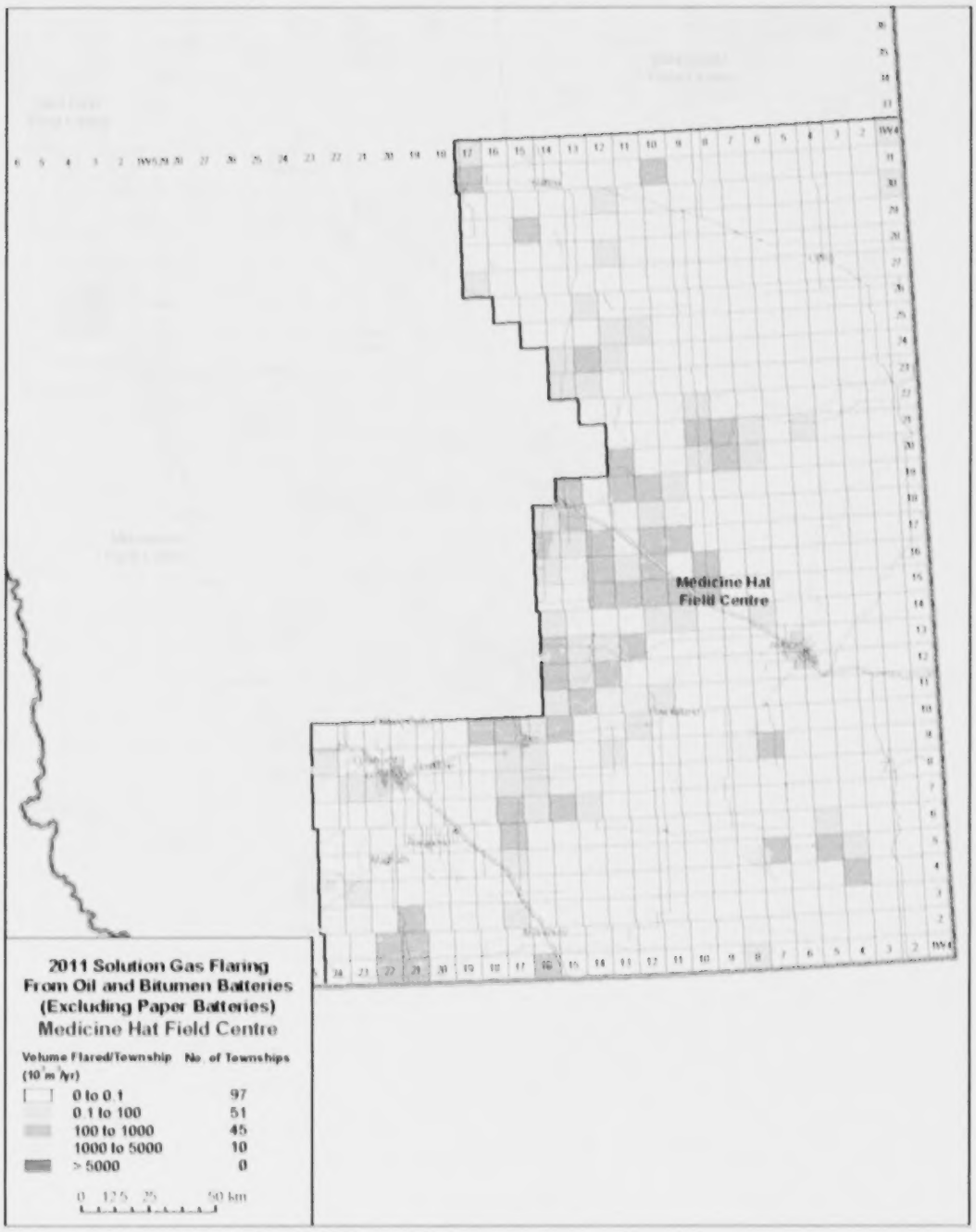
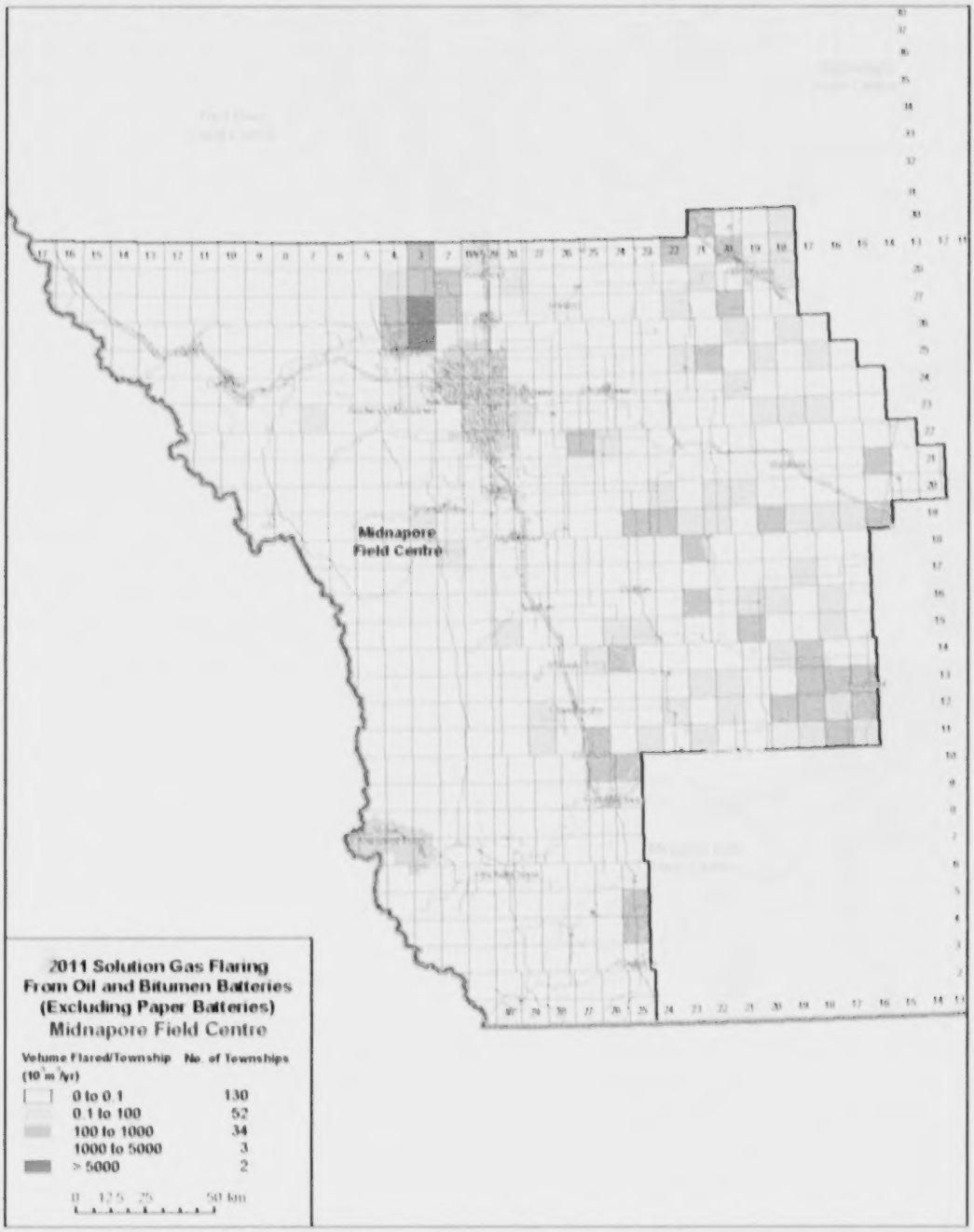
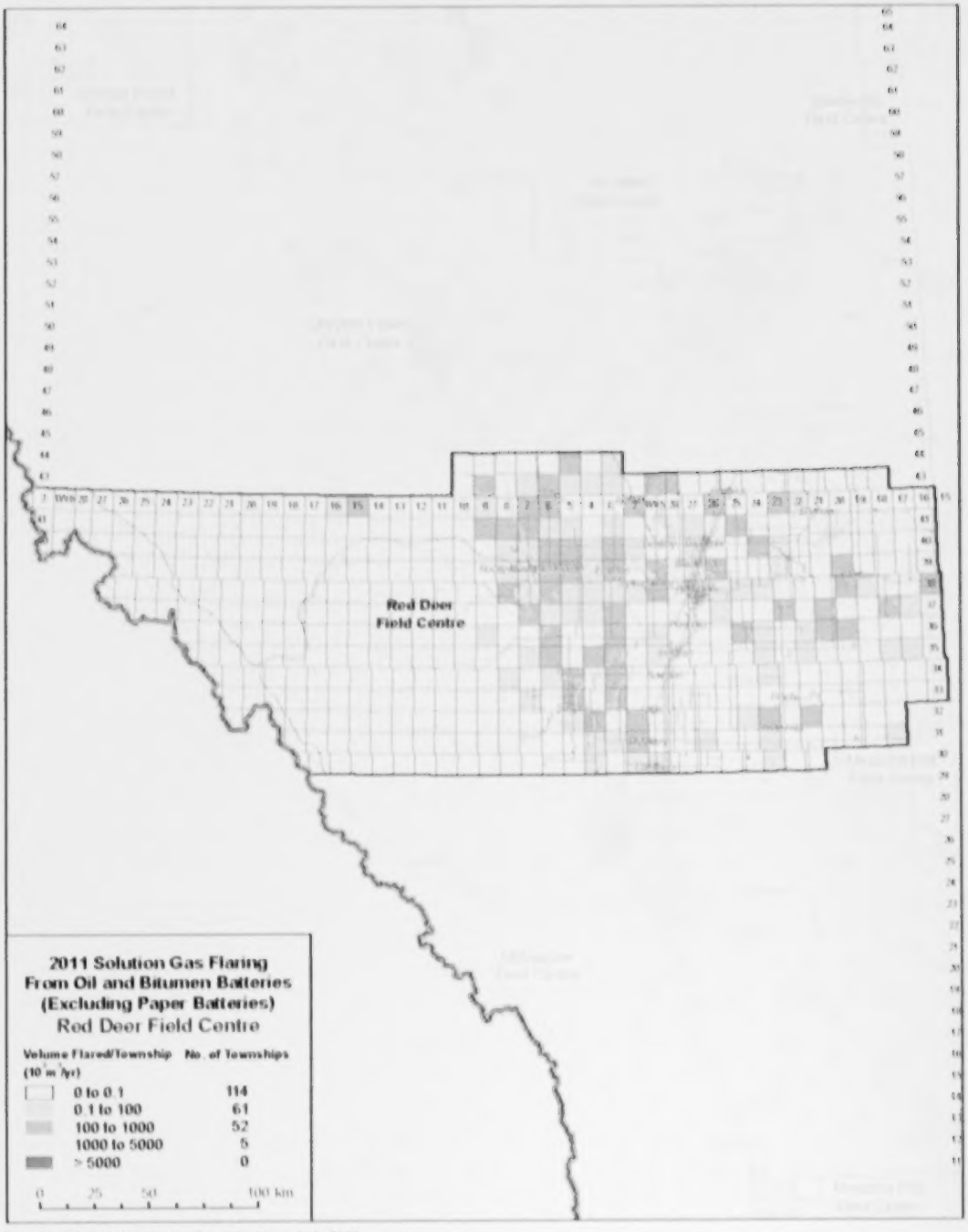


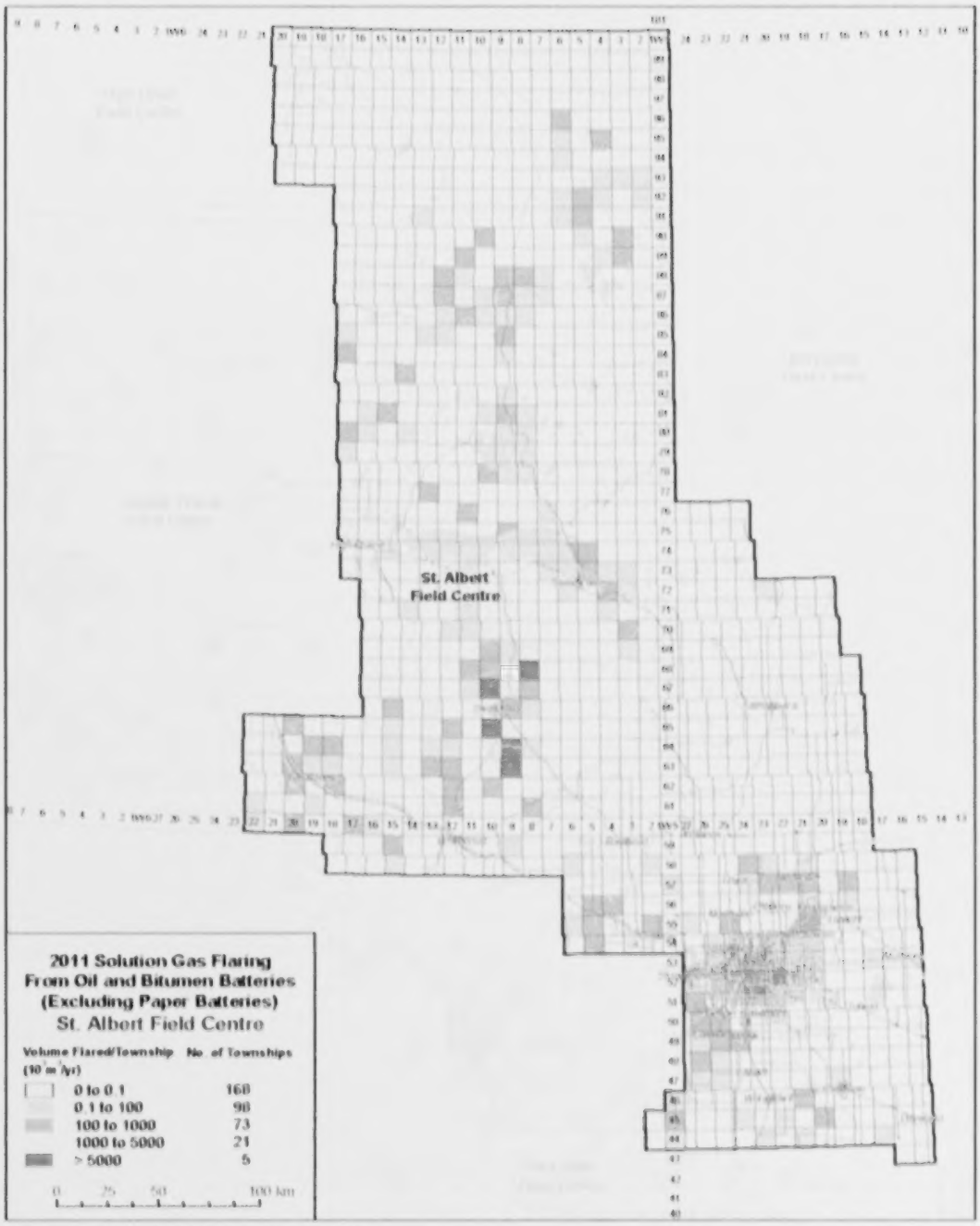
Base Data Provided by Spatial Data Warehouse Ltd., 2003



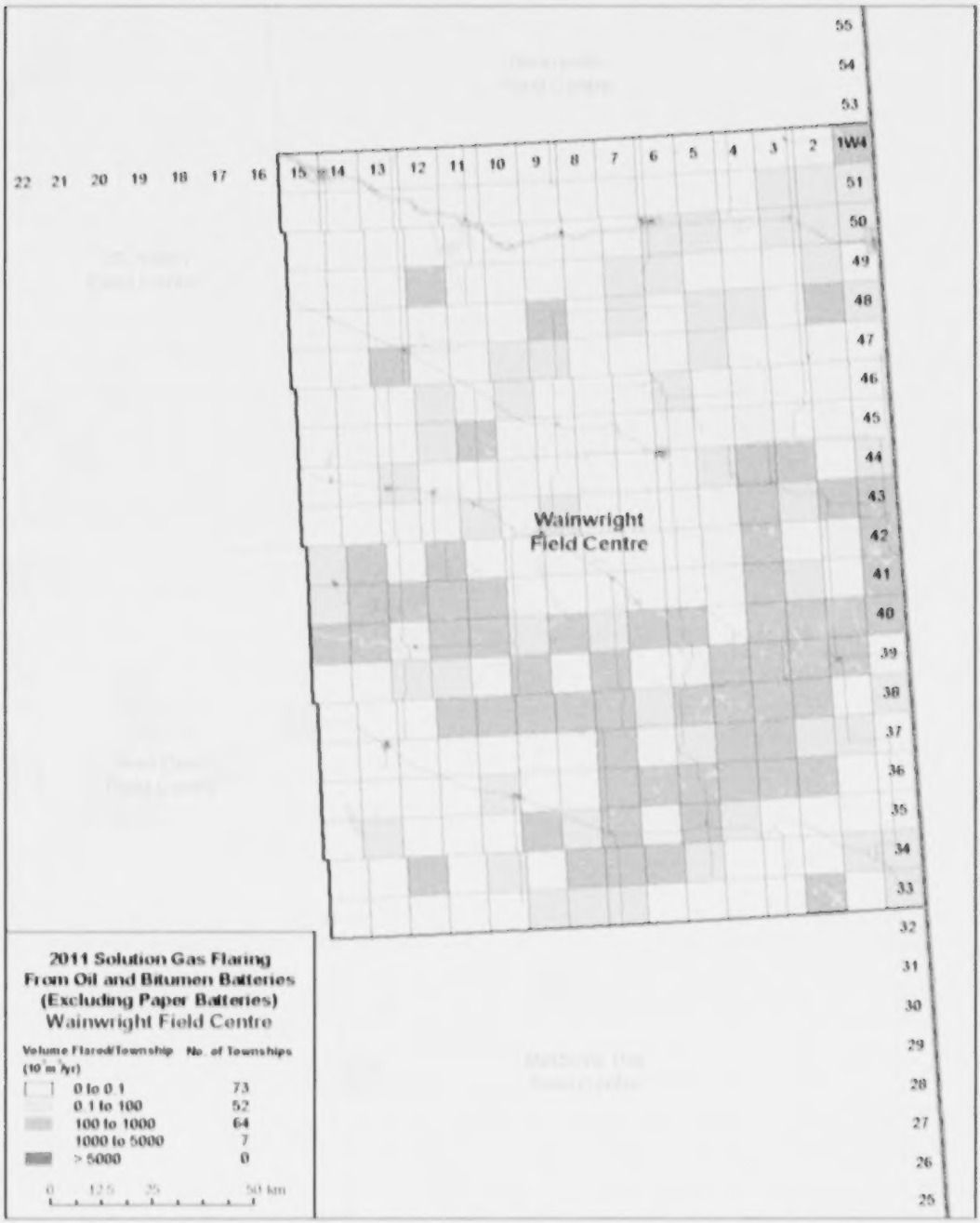
Base Data Provided by Spatial Data Warehouse Ltd., 2003



Base Data Provided by: Spatial Data Warehouse Ltd., 2003



Base Data Provided by Spatial Data Warehouse Ltd., 2003



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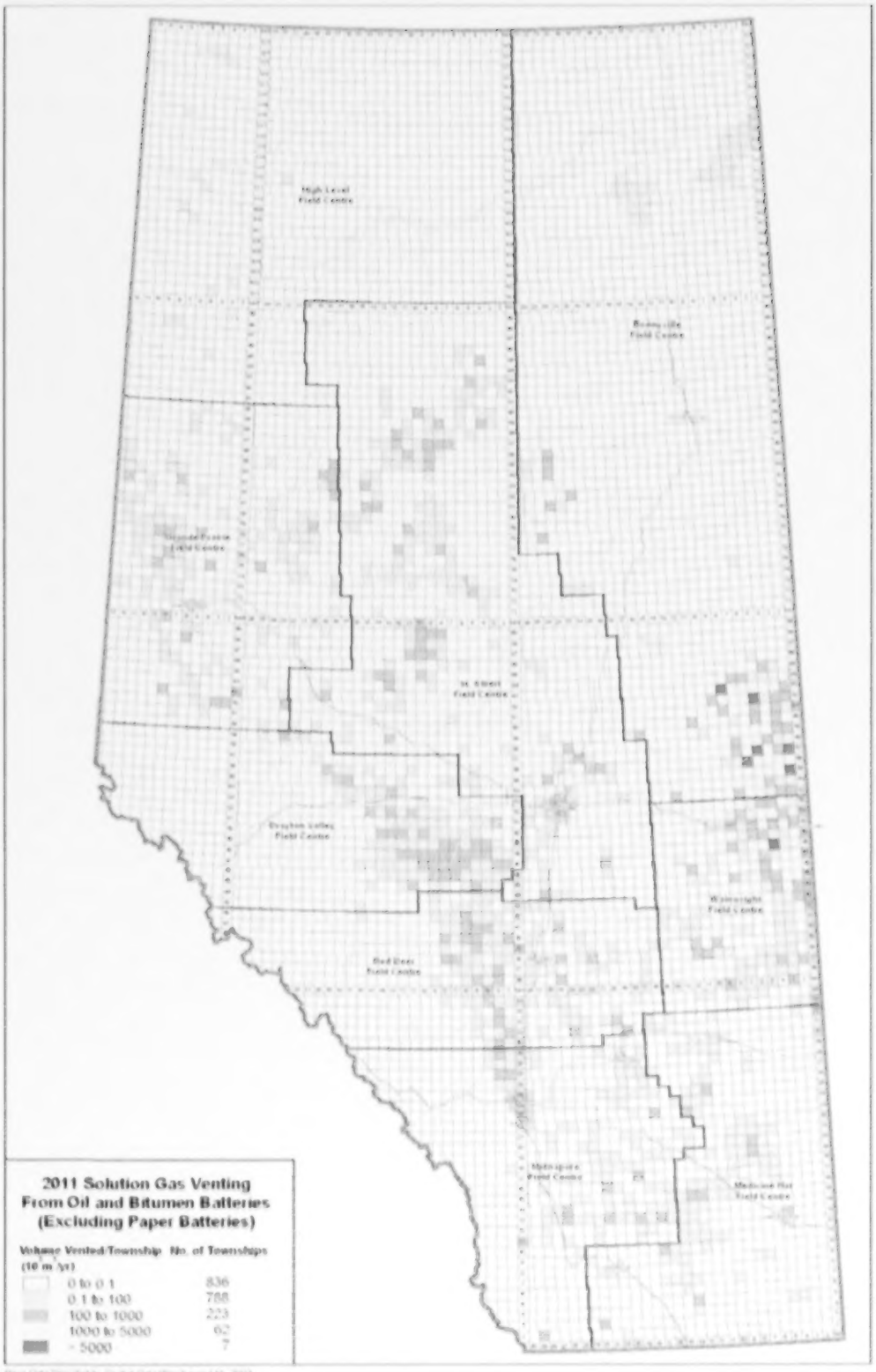
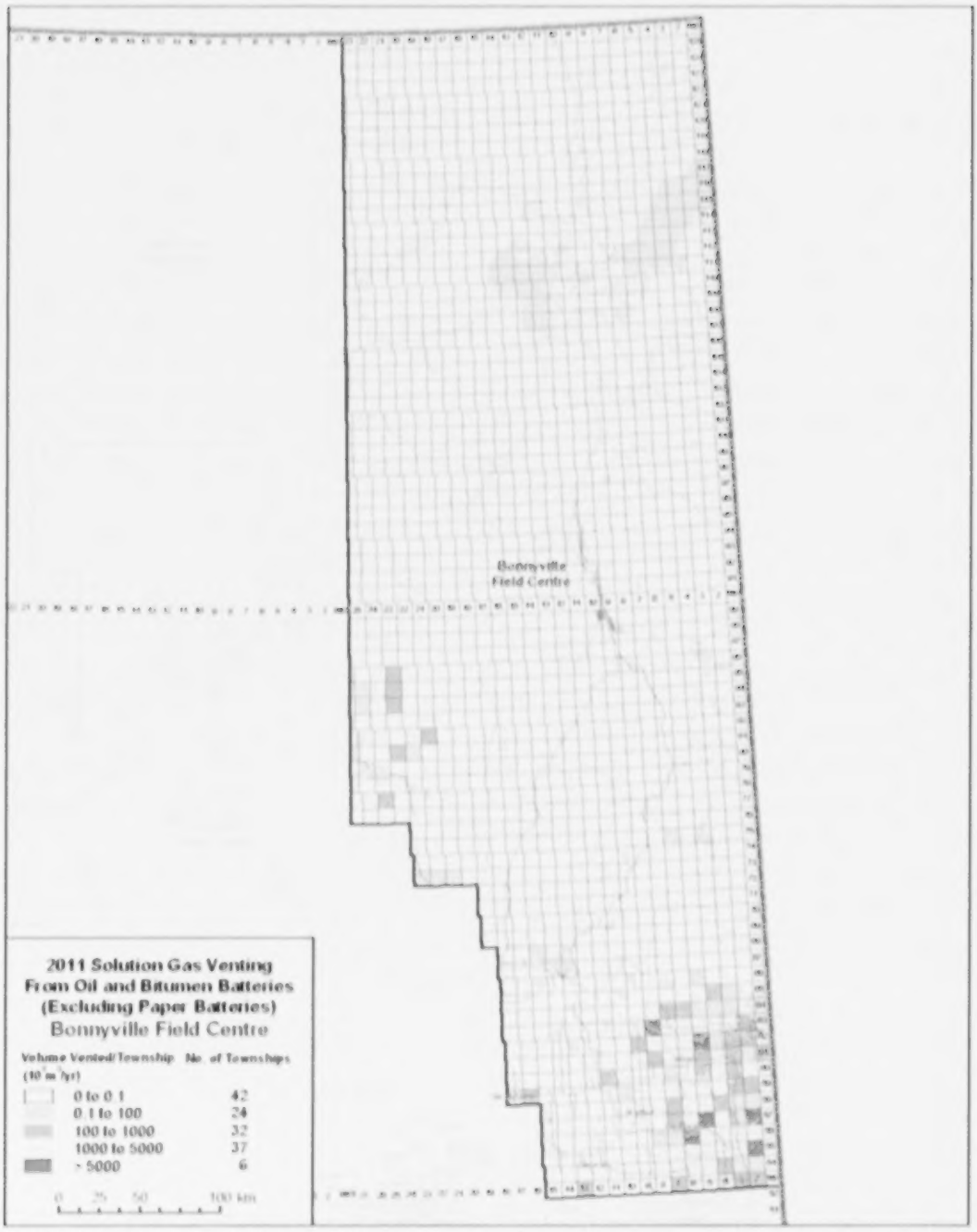
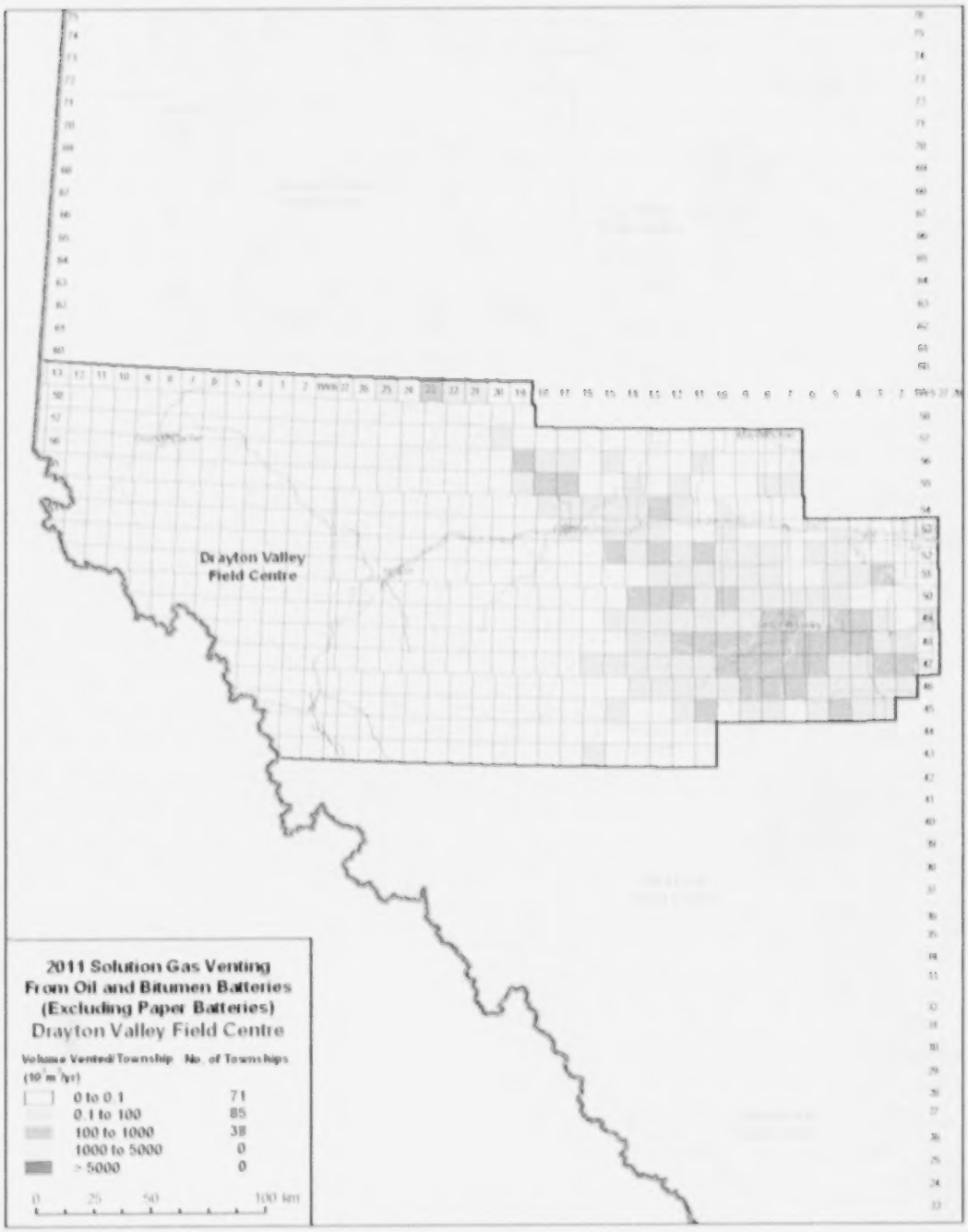

2011 Solution Gas Venting
From Oil and Bitumen Batteries
(Excluding Paper Batteries)
Volume Vented/Township (10 m³/yr)
No. of Townships
0 to 0.1 836
0.1 to 100 788
100 to 1000 223
1000 to 5000 62
> 5000 7



Base Data Provided by Spatial Data Warehouse Ltd., 2003



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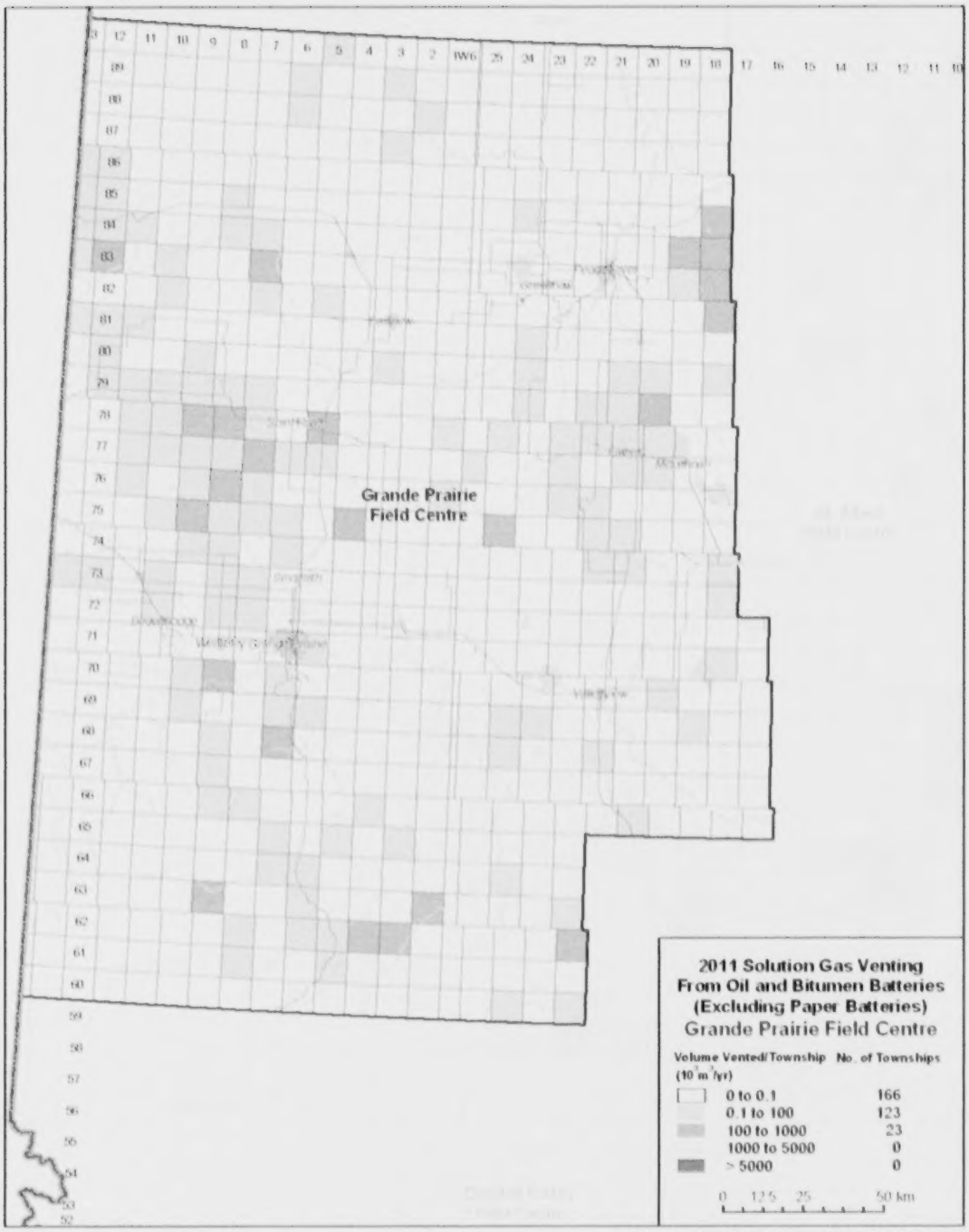
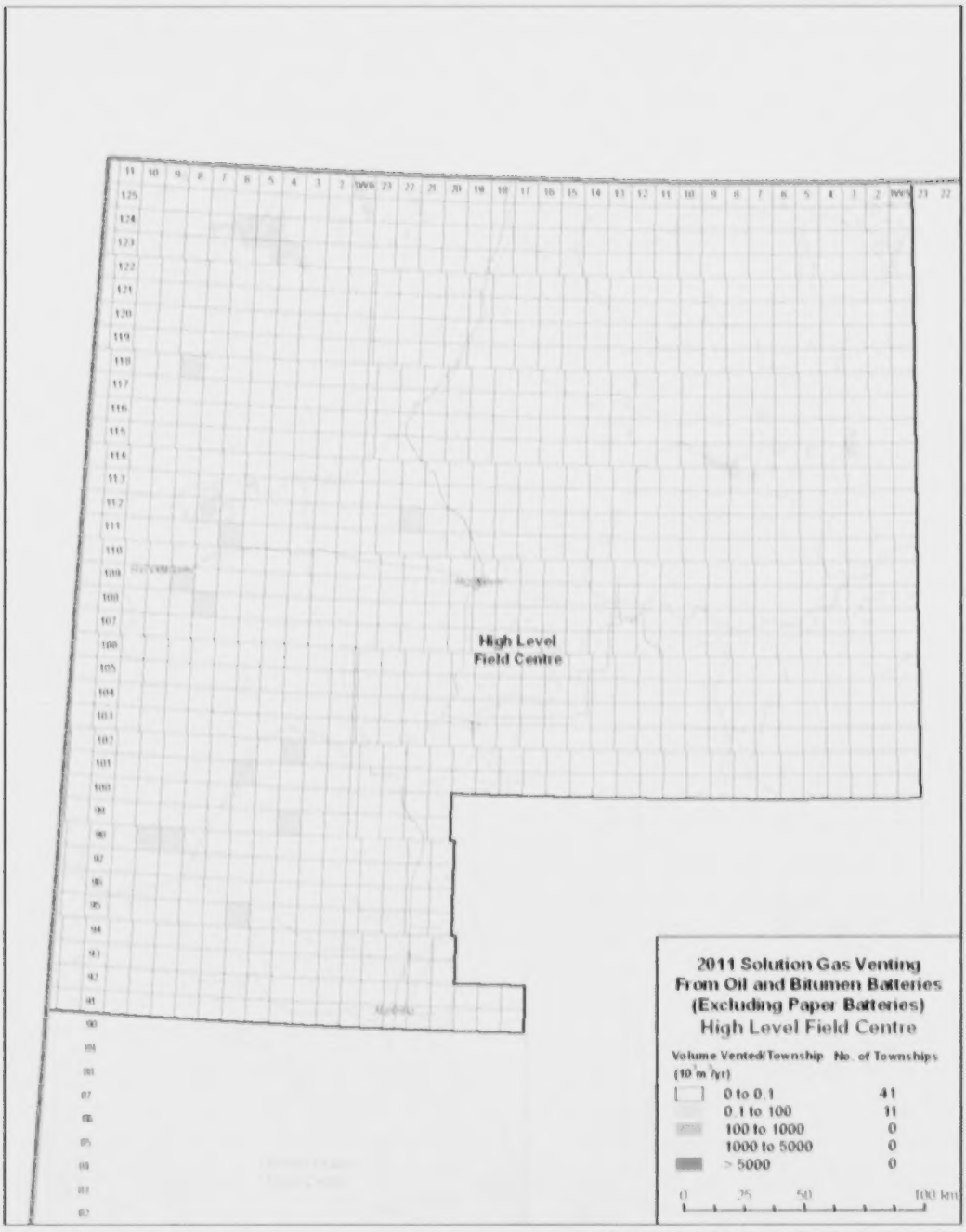


Base Data Provided by Spatial Data Warehouse Ltd., 2003



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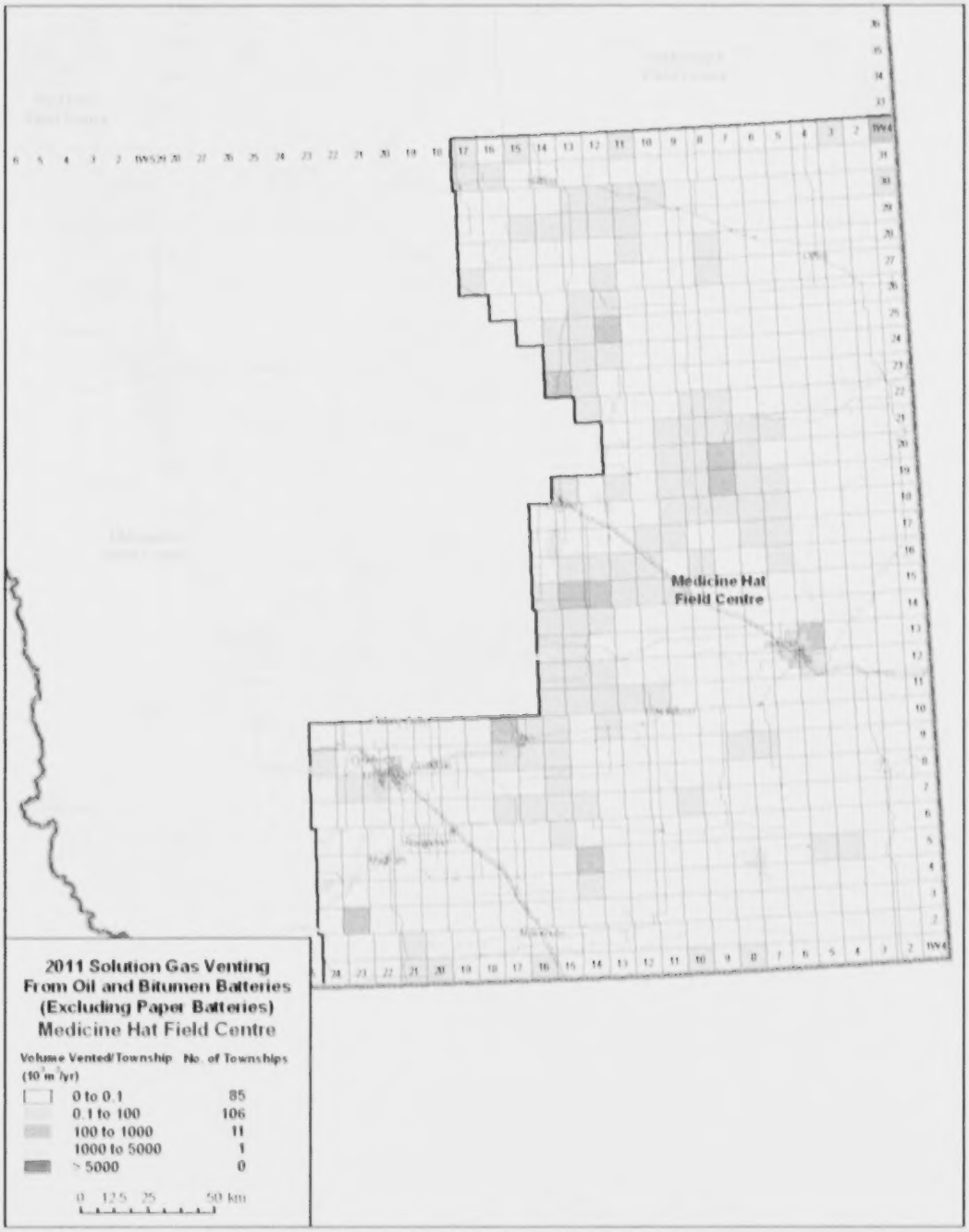

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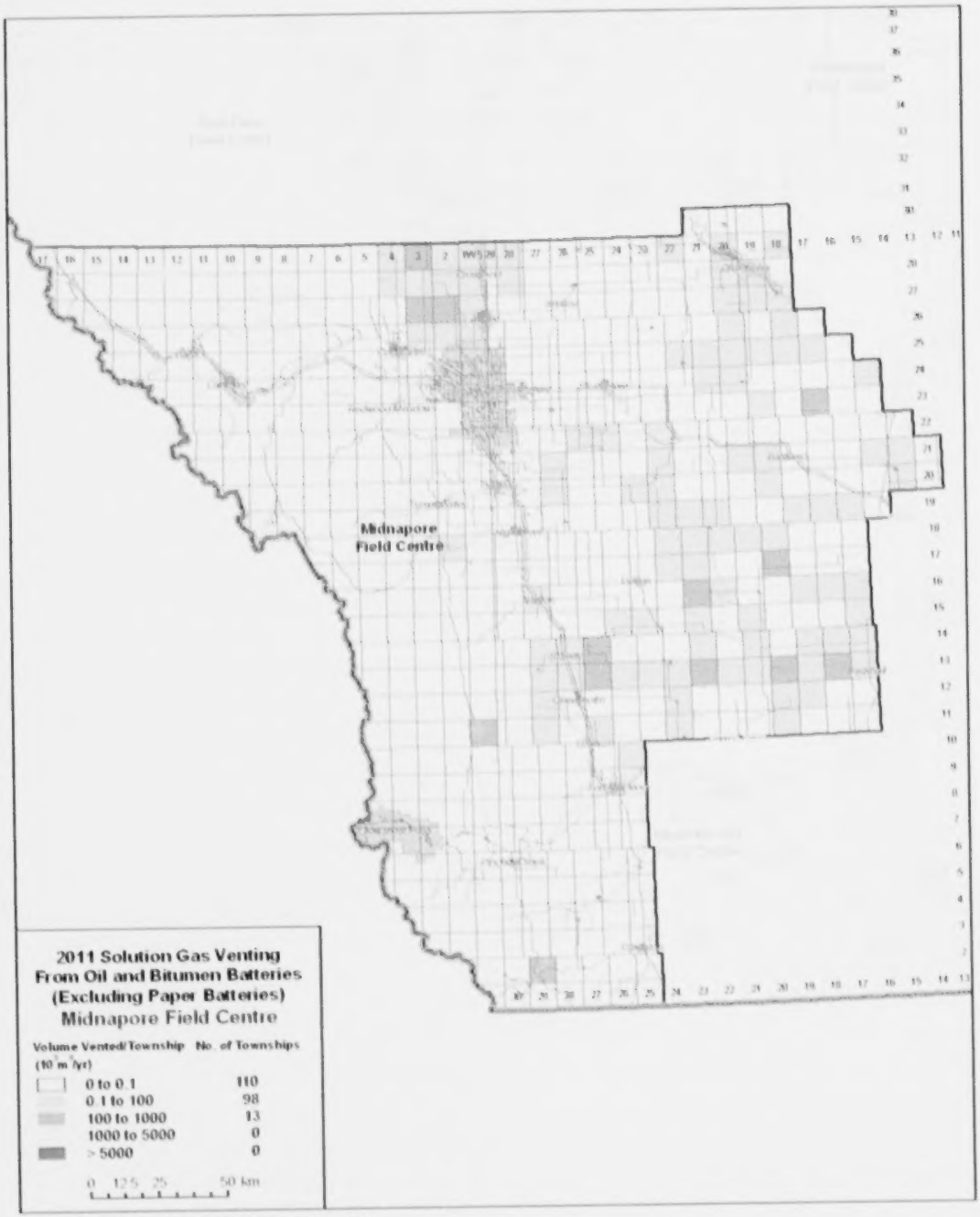

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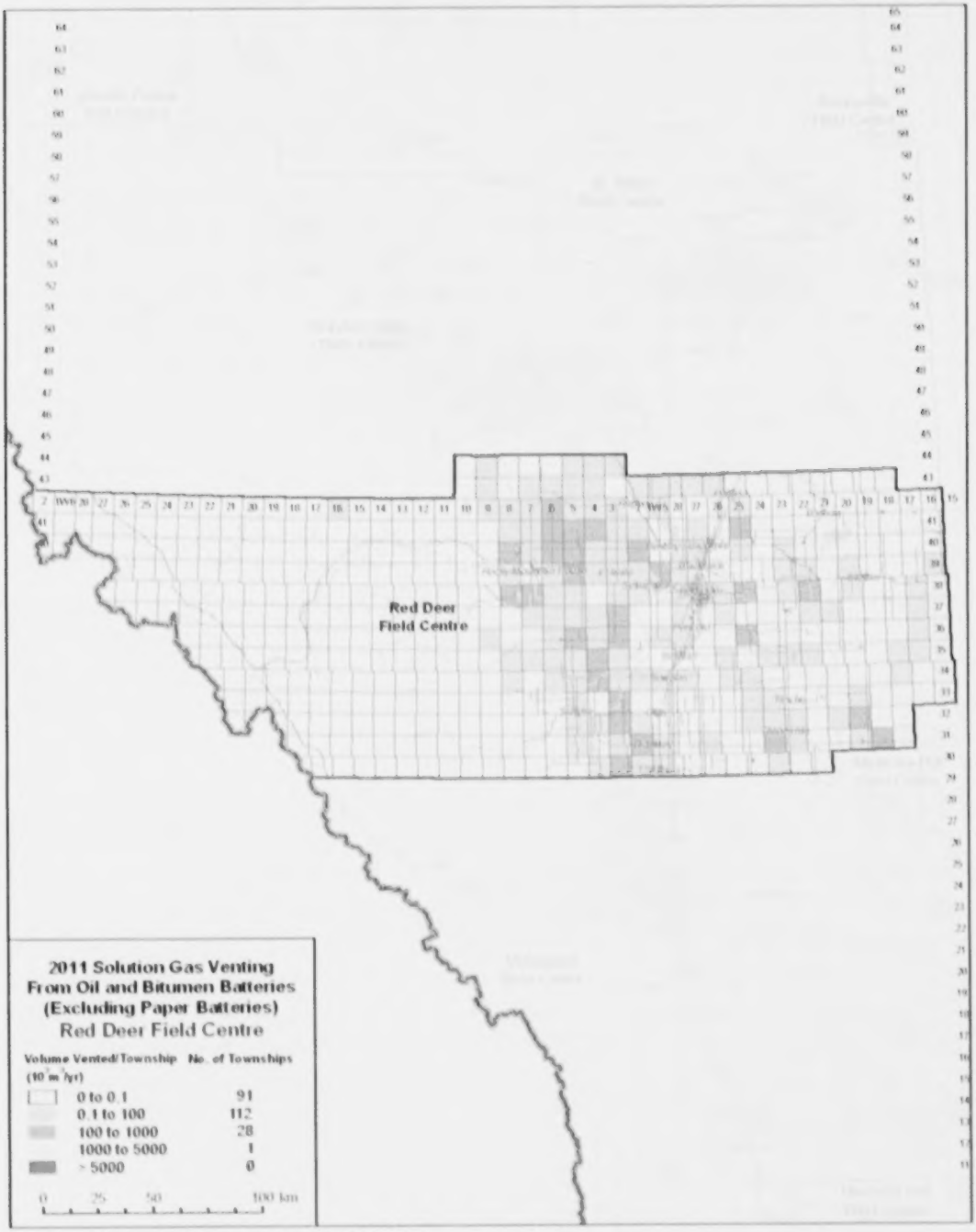

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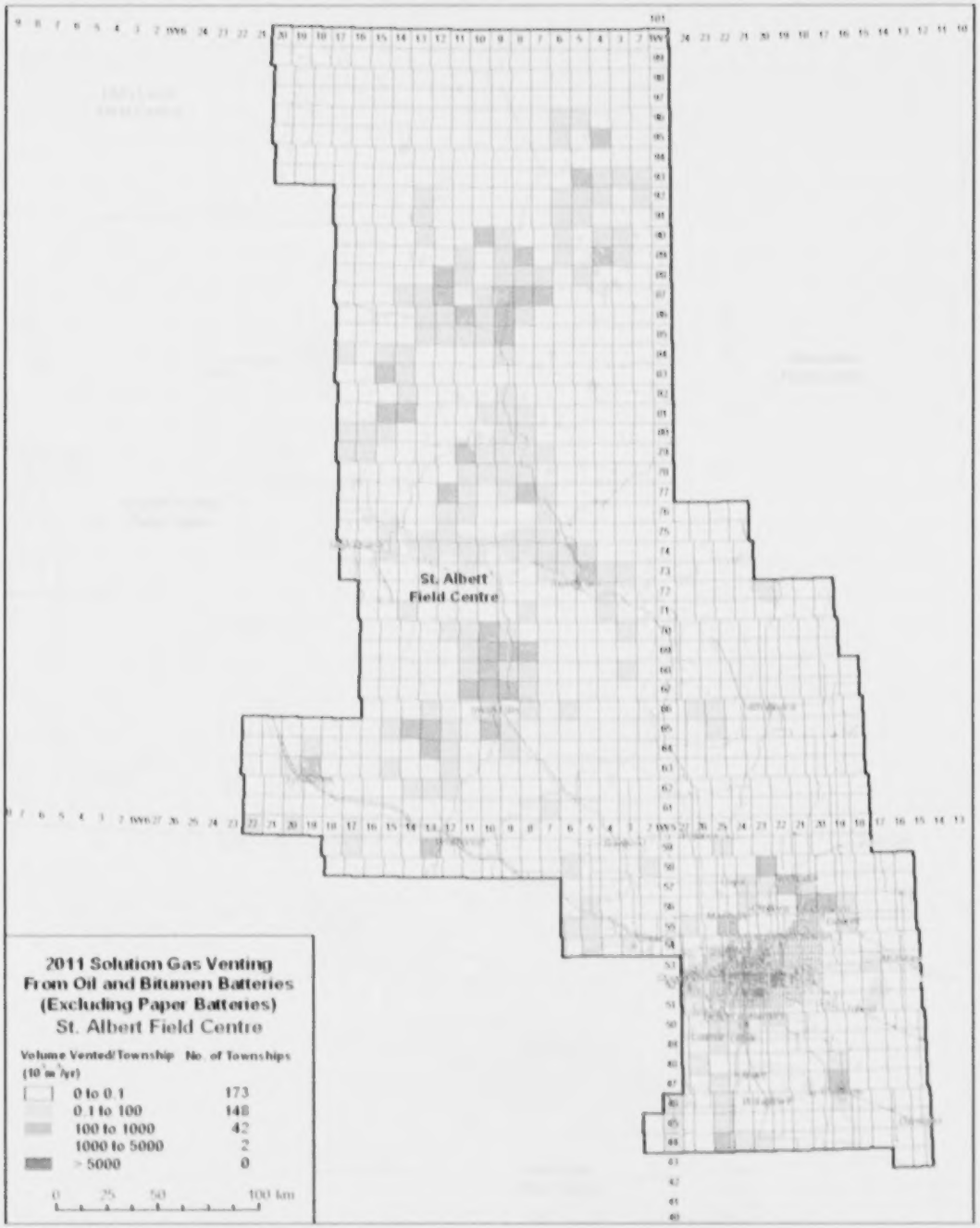

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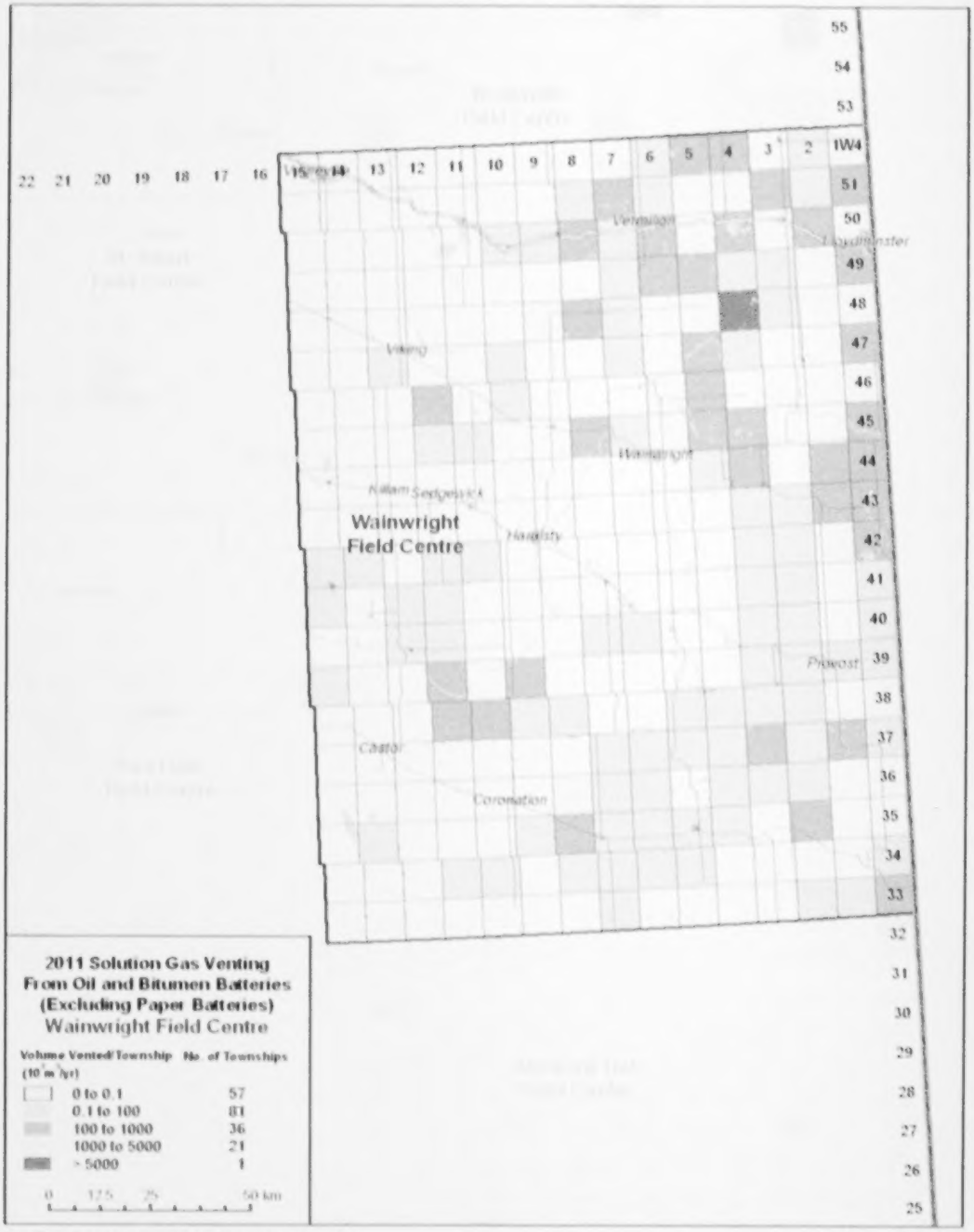

Base Data Provided by Spatial Data Warehouse Ltd., 2003

7 Solution Gas Emissions Ranking of Operators for 2011

The ERCB has ranked companies based on volumes from operated crude oil and crude bitumen batteries of (1) flared plus vented solution gas, and (2) vented solution gas. The tables in Section 8 provide information on individual companies. The second column in the tables shows the percentage of solution gas conserved by an operator. Individual operators' performance can be compared with the provincial average of 94.6 per cent solution gas conservation.

In this analysis, all crude oil and crude bitumen batteries have been included except for batteries that had an experimental well reporting fluid production in a month. The information on experimental wells remains confidential.

Note that it is possible for an operator to flare or vent a significant volume of solution gas due to the magnitude of the company's operations and still have a high percentage of gas conserved.

Companies are also ranked provincewide and within each ERCB Field Centre area. The following describes the fields that appear in the ranking tables:

COMPANY—Name of company operating crude oil and crude bitumen batteries.

GAS CONS—Percentage of solution gas conserved:
(Solution gas produced – Flared gas – Vented gas) / Solution gas produced x 100

GAS CONS CHANGE—Percentage change in gas conservation from the previous year. Blanks represent companies that did not report in 2010 due to mergers, name changes, acquisitions, etc.

GAS FLARED + VENTED (1000 m^3)—Solution gas flared plus vented from operated crude oil and crude bitumen batteries.

GAS FLARED + VENTED RANK—The company's ranking compared with other companies based on the operated volume of solution gas flared plus vented.

GAS FLARED (1000 m^3)—Solution gas flared from operated crude oil and crude bitumen batteries.

FLARE RANK—The company's ranking compared with other companies based on the volume of solution gas flared.

GAS VENTED (1000 m^3)—Solution gas vented from operated crude oil and crude bitumen batteries.

VENT RANK—The company's ranking compared with other companies based on the volume of solution gas vented.

OIL PROD (m^3)—Volume of crude oil and in situ crude bitumen produced from operated crude oil and crude bitumen batteries.

SOLN GAS PROD (1000 m^3)—Volume of solution gas produced from operated crude oil and crude bitumen batteries.

SOLN GAS RANK—The company's ranking compared with other companies based on the volume of solution gas produced.

8 Tables

In the tables that follow, the companies are ranked and listed based on solution gas flared plus vented from their operating facilities in 2011. Each table gives a total at the end for the Field Centre area covered.

- Operators with Largest Solution Gas Produced Volumes in 2011
- Operators with Largest Solution Gas Vented Volumes in 2011
- Provincial Ranking of Operators—2011 Conservation Performance
- Field Centre Ranking of Operators—2011 Conservation Performance

OPERATORS WITH LARGEST SOLUTION GAS PRODUCED VOLUMES IN 2011[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 7, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)	GAS RANK
Husky Oil Operations Limited	96.1%	-1.4%	63,339.4	2	16,162.6	6	47,176.8	2	3,474,145.2	1,611,893.0	**1**
Canadian Natural Resources Limited	87.7%	2.4%	183,497.7	1	12,746.1	8	170,751.6	1	13,798,900.4	1,486,745.6	**2**
Penn West Petroleum Ltd.	96.4%	-0.4%	43,709.9	5	34,997.9	2	8,712.0	6	3,084,365.5	1,217,234.5	**3**
Imperial Oil Resources	99.7%	0.1%	2,713.9	39	2,386.8	40	327.1	54	9,550,761.9	1,033,989.4	**4**
Devon Canada	91.1%	-2.1%	50,192.1	4	19,790.0	3	30,402.1	3	5,423,468.5	560,986.6	**5**
NAL Resources Limited	97.9%	-1.3%	11,484.5	11	10,219.3	10	1,265.2	19	556,301.0	546,222.1	**6**
ARC Resources Ltd.	98.3%	-0.5%	6,638.0	19	6,028.0	16	610.0	36	1,086,995.7	400,210.6	**7**
Pengrowth Energy Corporation	96.8%	-0.9%	11,472.2	12	9,926.0	11	1,546.2	16	1,107,922.6	354,033.5	**8**
Apache Canada Ltd.	96.6%	-0.3%	11,700.7	10	8,305.4	14	3,395.3	11	633,841.8	341,180.1	**9**
TAQA North Ltd.	98.4%	0.2%	5,109.6	26	4,527.5	21	582.1	37	375,649.5	315,302.3	**10**
Bonavista Energy Corporation	94.1%	2.5%	18,460.6	7	5,224.9	19	13,235.7	4	657,775.3	312,432.6	**11**
Harvest Operations Corp.	92.4%	0.0%	18,974.2	6	14,025.1	7	4,949.1	7	1,353,157.5	249,058.2	**12**
Cenovus Energy Inc.	97.3%	0.1%	6,060.5	22	2,439.7	37	3,620.8	9	2,460,426.9	225,582.7	**13**
Daylight Energy Ltd.	98.1%	0.7%	4,179.7	31	3,872.4	25	307.3	57	591,399.6	217,076.6	**14**
Glencoe Resources Ltd.	98.7%	-0.8%	2,555.5	40	0.0	275	2,555.5	12	60,331.9	200,399.5	**15**
ConocoPhillips Canada (BRC) Partnership	99.3%	-0.4%	1,426.2	59	971.3	59	454.9	48	213,947.9	199,237.3	**16**
Enerplus Partnership	98.9%	0.0%	2,112.8	49	1,420.3	51	692.5	32	716,016.2	195,980.6	**17**
Conocophillips Western Canada Partnership	99.5%	-0.2%	876.0	79	812.4	65	63.6	124	217,601.5	186,236.3	**18**
Shell Canada Energy	97.0%	12.3%	5,164.8	25	3,933.8	23	1,231.0	20	1,073,887.0	173,963.2	**19**
Petrobakken Energy Ltd.	57.4%	-31.0%	61,932.1	3	61,185.3	1	746.8	29	599,013.2	145,327.7	**20**
Whitecap Resources Inc.	93.8%	-5.7%	8,773.1	16	8,466.1	13	307.0	58	218,343.6	141,898.1	**21**
Conocophillips Canada Energy Partnership	97.7%	0.3%	3,177.5	33	2,003.9	44	1,173.6	23	163,043.3	138,690.6	**22**
Trilogy Resources Ltd.	98.3%	0.1%	2,093.5	50	1,918.2	46	175.3	76	284,921.9	125,977.3	**23**
Guide Exploration Ltd.	97.2%		3,160.4	34	3,033.0	30	127.4	96	154,859.0	111,005.7	**24**
Crew Energy Inc.	94.8%	-1.4%	5,629.6	23	5,535.7	17	93.9	104	309,842.7	108,062.4	**25**
SUBTOTAL			**534,434.5**		**239,931.7**		**294,502.8**		**48,166,919.6**	**10,598,726.5**	
% OF PROVINCIAL TOTAL			**68.9%**		**56.3%**		**84.1%**		**67.3%**	**74.3%**	

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] For the Gas Conservation Change column, a blank cell indicates that a value was not reported for 2010.

OPERATORS WITH LARGEST SOLUTION GAS VENTED VOLUMES IN 2011[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED ($1000\ M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ M^3$)	FLARE RANK	GAS VENTED ($1000\ M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000\ M^3$)
Canadian Natural Resources Limited	87.7%	2.4%	183,497.7	1	12,746.1	8	170,751.6	1	13,798,900.4	1,486,745.60
Husky Oil Operations Limited	96.1%	-1.4%	63,339.4	2	16,162.6	6	47,176.8	2	3,474,145.2	1,611,893.00
Devon Canada	91.1%	-2.1%	50,192.1	4	19,790.0	3	30,402.1	3	5,423,468.5	560,986.60
Bonavista Energy Corporation	94.1%	2.5%	18460.6	7	5,224.9	19	13,235.7	4	657,775.3	312,432.60
Twin Butte Energy Ltd.	82.2%	-9.0%	10813.1	13	1,061.2	58	9,751.9	5	389,001.6	60,679.60
Penn West Petroleum Ltd.	96.4%	-0.4%	43709.9	5	34,997.9	2	8,712.0	6	3,084,365.5	1,217,234.50
Harvest Operations Corp.	92.4%	0.0%	18974.2	6	14,025.1	7	4,949.1	7	1,353,157.5	249,058.20
Lone Pine Resources Canada Ltd.	79.9%		6575.6	20	2,580.3	34	3,995.3	8	202,138.0	32,637.20
Cenovus Energy Inc.	97.3%	0.1%	6060.5	22	2,439.7	37	3,620.8	9	2,460,426.9	225,582.70
Talisman Energy Inc.	81.4%	-10.6%	7022.8	18	3,596.5	26	3,426.3	10	661,527.6	37,712.90
Apache Canada Ltd.	96.6%	-0.3%	11700.7	10	8,305.4	14	3,395.3	11	633,841.8	341,180.10
Glencoe Resources Ltd.	98.7%	-0.8%	2555.5	40	-	275	2,555.5	12	60,331.9	200,399.50
Gear Energy Ltd.	87.6%	0.0%	2546.0	41	102.3	174	2,443.7	13	104,434.5	20,563.80
NuVista Energy Ltd.	83.6%	0.8%	6501.8	21	4,636.5	20	1,865.3	14	216,937.7	39,713.30
Baytex Energy Ltd.	94.9%	1.9%	4234.7	30	2,541.4	35	1,693.3	15	1,131,989.9	82,428.40
Pengrowth Energy Corporation	96.8%	-0.9%	11472.2	12	9,926.0	11	1,546.2	16	1,107,922.6	354,033.50
Blackpearl Resources Inc.	89.9%	-4.6%	1431.9	58	35.2	216	1,396.7	17	60,363.4	14,111.90
Westfire Energy Ltd.	93.1%	2.1%	2004.7	52	733.9	73	1,270.8	18	158,719.2	29,189.90
NAL Resources Limited	97.9%	-1.3%	11484.5	11	10,219.3	10	1,265.2	19	556,301.0	546,222.10
Shell Canada Energy	97.0%	12.3%	5164.8	25	3,933.8	23	1,231.0	20	1,073,887.0	173,963.20
Northern Blizzard Resources Inc.	74.7%	-2.3%	1227.0	66	-	275	1,227.0	21	14,462.4	4,851.60
Manitok Energy Inc.	24.0%	24.0%	1205.5	67	-	275	1,205.5	22	12,369.4	1,585.30
Conocophillips Canada Energy Partnership	97.7%	0.3%	3177.5	33	2,003.9	44	1,173.6	23	163,043.3	138,690.60
Bellatrix Exploration Ltd.	95.3%	1.1%	4638.0	29	3,491.1	27	1,146.9	24	181,402.2	98,164.30
Signalta Resources Limited	85.8%	-2.2%	1536.7	56	610.6	86	926.1	25	26,940.7	10,783.80
SUBTOTAL			**479,527.4**		**159,163.7**		320,363.7		**37,007,853.5**	**7,850,844.20**
% OF PROVINCIAL TOTAL			**61.8%**		**37.4%**		91.5%		**51.7%**	**55.0%**

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[2] For the Gas Conservation Change column, a blank cell indicates that a value was not reported for 2010.

PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[6]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[7]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Canadian Natural Resources Limited	87.7%	2.4%	183,497.7	1	12,746.1	8	170,751.6	1	13,798,900.4	1,486,745.6
Husky Oil Operations Limited	96.1%	-1.4%	63,339.4	2	16,162.6	6	47,176.8	2	3,474,145.2	1,611,893.0
Petrobakken Energy Ltd.	57.4%	-31.0%	61,932.1	3	61,185.3	1	746.8	29	599,013.2	145,327.7
Devon Canada	91.1%	-2.1%	50,192.1	4	19,790.0	3	30,402.1	3	5,423,468.5	560,986.6
Penn West Petroleum Ltd.	96.4%	-0.4%	43,709.9	5	34,997.9	2	8,712.0	6	3,084,365.5	1,217,234.5
Harvest Operations Corp.	92.4%	0.1%	18,974.2	6	14,025.1	7	4,949.1	7	1,353,157.5	249,068.2
Bonavista Energy Corporation	94.1%	2.5%	18,460.6	7	5,224.9	19	13,235.7	4	657,775.3	312,432.6
Coral Hill Energy Ltd.	15.9%		18,240.5	8	18,239.8	4	0.7	243	91,209.7	21,685.4
Murphy Oil Company Ltd.	67.1%	5.2%	16,615.0	9	16,613.3	5	1.7	235	372,643.1	50,418.1
Apache Canada Ltd.	96.6%	-0.3%	11,700.7	10	8,305.4	14	3,395.3	11	633,841.8	341,180.1
NAL Resources Limited	97.9%	-1.3%	11,484.5	11	10,219.3	10	1,265.2	19	556,301.0	546,222.1
Pengrowth Energy Corporation	96.8%	-0.9%	11,472.2	12	9,926.0	11	1,546.2	16	1,107,922.6	354,033.5
Twin Butte Energy Ltd.	82.2%	-8.9%	10,813.1	13	1,061.2	58	9,751.9	5	389,001.6	60,679.6
Arcan Resources Ltd.	56.3%	-11.1%	10,781.9	14	10,632.4	9	149.5	83	210,270.8	24,689.2
Second Wave Petroleum Inc.	74.2%	-20.6%	9,321.1	15	9,315.9	12	5.2	212	89,406.3	36,077.0
Whitecap Resources Inc.	93.8%	-5.7%	8,773.1	16	8,466.1	13	307.0	58	218,343.6	141,898.1
Equal Energy Ltd.	75.5%	-11.1%	7,091.5	17	6,565.2	15	526.3	43	115,982.7	28,943.6
Talisman Energy Inc.	81.4%	-10.6%	7,022.8	18	3,596.5	26	3,426.3	10	661,527.6	37,712.9
ARC Resources Ltd.	98.3%	-0.5%	6,638.0	19	6,028.0	16	610.0	36	1,086,995.7	400,210.6
Lone Pine Resources Canada Ltd.	79.9%		6,575.6	20	2,580.3	34	3,995.3	8	202,138.0	32,637.2
NuVista Energy Ltd.	83.6%	0.8%	6,501.8	21	4,636.5	20	1,865.3	14	216,937.7	39,713.3
Cenovus Energy Inc.	97.3%	0.1%	6,060.5	22	2,439.7	37	3,620.8	9	2,460,426.9	225,582.7
Crew Energy Inc.	94.8%	-1.4%	5,629.6	23	5,535.7	17	93.9	104	309,842.7	108,062.4
Surge Energy Inc.	94.5%	5.8%	5,511.2	24	5,320.6	18	190.6	73	172,930.0	100,324.9
Shell Canada Energy	97.0%	12.3%	5,164.8	25	3,933.8	23	1,231.0	20	1,073,887.0	173,963.2
TAQA North Ltd.	98.4%	0.2%	5,109.6	26	4,527.5	21	582.1	37	375,649.5	315,302.3
Pace Oil & Gas Ltd.	90.3%	-3.1%	4,726.0	27	4,467.6	22	258.4	63	288,263.2	48,665.4
Midway Energy Ltd.	93.5%	0.1%	4,725.6	28	3,922.1	24	803.5	28	145,778.5	72,399.0
Bellatrix Exploration Ltd.	95.3%	1.1%	4,638.0	29	3,491.1	27	1,146.9	24	181,402.2	98,164.3
Baytex Energy Ltd.	94.9%	2.0%	4,234.7	30	2,541.4	35	1,693.3	15	1,131,989.9	82,428.4
Daylight Energy Ltd.	98.1%	0.7%	4,179.7	31	3,872.4	25	307.3	57	591,399.6	217,076.6
AvenEx Energy Corp.	50.9%		3,362.4	32	3,217.9	28	144.5	85	51,799.9	6,850.4
Conocophillips Canada Energy Partnership	97.7%	0.3%	3,177.5	33	2,003.9	44	1,173.6	23	163,043.3	138,690.6
Guide Exploration Ltd.	97.2%		3,160.4	34	3,033.0	30	127.4	96	154,859.0	111,005.7
Cutpick Energy Inc.	93.5%	0.4%	3,136.5	35	3,124.8	29	11.7	193	126,768.2	48,519.6

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Bearspaw Petroleum Ltd.	73.9%	0.0%	2,939.3	**36**	2,939.3	31	-	250	68,765.7	11,280.3
Tamarack Valley Energy Ltd.	77.6%	77.6%	2,829.1	**37**	2,828.9	32	0.2	248	18,799.6	12,637.7
Cenovus FCCL Ltd.	96.5%	-2.1%	2,775.5	**38**	2,775.5	33	-	250	6,368,264.2	78,122.3
Imperial Oil Resources	99.7%	0.1%	2,713.9	**39**	2,386.8	40	327.1	54	9,550,761.9	1,033,989.4
Glencoe Resources Ltd.	98.7%	-0.8%	2,555.5	**40**	-	275	2,555.5	12	60,331.9	200,399.5
Gear Energy Ltd.	87.6%	0.0%	2,546.0	**41**	102.3	174	2,443.7	13	104,434.5	20,563.8
Exoro Energy Inc.	55.9%	-10.2%	2,517.2	**42**	2,516.6	36	0.6	244	28,022.1	5,702.2
EOG Resources Canada Inc.	97.4%	-2.0%	2,496.0	**43**	2,093.9	42	402.1	49	93,179.2	94,374.4
Zargon Oil & Gas Ltd.	84.8%	1.9%	2,441.6	**44**	2,415.2	38	26.4	168	140,764.6	16,051.5
Barrier Reef Resources Ltd.	0.0%	0.0%	2,397.0	**45**	2,397.0	39	-	250	3,170.1	2,397.0
Vero Energy Inc.	94.0%	0.6%	2,391.3	**46**	1,851.5	47	539.8	42	49,194.0	39,713.3
Silverback Energy Ltd.	54.2%	-45.8%	2,319.9	**47**	2,270.0	41	49.9	137	10,039.2	5,059.8
Iteration Energy	96.1%	1.4%	2,188.4	**48**	2,091.8	43	96.6	101	142,517.3	56,252.4
Enerplus Partnership	98.9%	1.0%	2,112.8	**49**	1,420.3	51	692.5	32	716,016.2	195,980.6
Trilogy Resources Ltd.	98.3%	-1.0%	2,093.5	**50**	1,918.2	46	175.3	76	284,921.9	125,977.3
TriOil Resources Ltd.	84.6%	-15.4%	2,005.4	**51**	1,977.2	45	28.2	164	36,368.9	12,930.4
Westfire Energy Ltd.	93.1%	2.1%	2,004.7	**52**	733.9	73	1,270.8	18	158,719.2	29,189.9
Connacher Oil And Gas Limited	88.6%	6.0%	1,793.0	**53**	1,732.9	48	60.1	125	786,799.7	15,742.2
Crescent Point Energy Corp.	95.2%	0.1%	1,713.1	**54**	1,647.8	49	65.3	122	128,841.3	35,471.5
Argosy Energy Inc.	24.3%	-10.6%	1,544.4	**55**	1,499.9	50	44.5	143	4,986.9	2,040.3
Signalta Resources Limited	85.8%	-2.2%	1,536.7	**56**	610.6	86	926.1	25	26,940.7	10,783.8
Vermilion Resources Ltd.	98.0%	1.8%	1,474.7	**57**	842.5	64	632.2	34	265,837.8	73,368.6
Blackpearl Resources Inc.	89.9%	-4.6%	1,431.9	**58**	35.2	216	1,396.7	17	60,363.4	14,111.9
ConocoPhillips Canada (BRC) Partnership	99.3%	0.4%	1,426.2	**59**	971.3	59	454.9	48	213,947.9	199,237.3
Arsenal Energy Inc.	80.5%	-8.6%	1,418.0	**60**	1,391.8	52	26.2	169	67,321.4	7,278.5
Bonterra Energy Corp.	98.6%	0.4%	1,387.9	**61**	522.9	91	865.0	26	235,816.2	97,154.6
Spry Energy Ltd.	77.9%	8.2%	1,367.8	**62**	1,338.7	53	29.1	161	26,592.3	6,190.9
Marquee Energy Ltd.	97.0%		1,346.2	**63**	1,271.9	54	74.3	114	26,804.6	45,315.6
Bellamont Exploration Ltd.	97.5%	0.2%	1,321.6	**64**	1,179.7	55	141.9	86	56,773.4	52,986.5
Anderson Energy Ltd.	96.2%	-2.1%	1,261.3	**65**	1,102.7	56	158.6	79	102,047.2	33,367.2
Northern Blizzard Resources Inc.	74.7%	-2.3%	1,227.0	**66**	-	275	1,227.0	21	14,462.4	4,851.6
Manitok Energy Inc.	24.0%	24.0%	1,205.5	**67**	-	275	1,205.5	22	12,369.4	1,585.3
Athabasca Oil Sands Corp.	53.4%		1,153.4	**68**	876.9	62	276.5	60	1,928.3	2,472.5
Yangarra Resources Corp.	95.4%	-1.3%	1,109.5	**69**	1,062.6	57	46.9	139	17,909.4	24,130.4
Angle Energy Inc.	98.8%	1.7%	1,080.9	**70**	380.5	111	700.4	31	52,635.1	90,750.8

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Rife Resources Ltd.	96.1%	0.9%	1,067.9	**71**	511.8	92	556.1	39	95,624.2	27,564.8
Charger Energy Corp.	73.6%		1,024.9	**72**	1,002.0	58	-	250	8,646.1	3,882.0
Advantage Oil & Gas Ltd.	98.4%	0.2%	971.0	**73**	297.6	122	673.4	33	61,624.4	61,336.4
Sure Energy Inc.	93.0%	-1.8%	937.2	**74**	752.4	69	184.8	74	31,017.4	13,440.8
Goldenkey Oil Inc.	17.5%	17.5%	929.3	**75**	929.3	60	-	250	1,193.8	1,126.3
PanTerra Resource Corp.	42.1%	20.9%	920.0	**76**	915.1	61	4.9	213	2,938.7	1,587.7
Veredus Resources Ltd.	3.0%		887.0	**77**	859.4	63	27.6	165	4,848.2	914.6
Trafina Energy Ltd.	41.7%	37.5%	885.9	**78**	650.1	80	235.8	68	3,195.7	1,518.9
Kingsmere Resources Ltd.	43.0%	43.0%	877.7	**79**	624.1	83	253.6	64	7,752.1	1,539.0
Conocophillips Western Canada Partnership	99.5%	-0.2%	876.0	**80**	812.4	65	63.6	124	217,601.5	186,236.3
Emerge Oil & Gas Inc.	83.6%	2.8%	859.8	**81**	538.6	89	321.2	55	60,077.4	5,226.0
Mosaic Energy Ltd.	97.7%	1.4%	844.6	**82**	373.5	113	471.1	47	36,372.0	36,861.6
Birchcliff Energy Ltd.	99.2%	0.3%	841.8	**83**	531.8	90	310.0	56	197,299.0	99,638.7
Fairwest Energy Corporation	76.4%	2.1%	823.2	**84**	750.9	70	72.3	117	12,906.0	3,486.0
Mancal Energy Inc.	96.8%	-2.7%	814.2	**85**	733.2	74	81.0	112	93,130.8	25,588.7
Longview Oil Corp.	98.4%		810.5	**86**	408.7	107	401.8	50	71,899.5	50,403.9
Echoex Ltd.	8.1%	-79.3%	810.1	**87**	-	275	810.1	27	30,560.6	881.2
Perpetual Energy Inc.	98.2%	0.3%	774.0	**88**	774.0	67	-	250	19,119.4	43,484.5
Nordegg Resources Inc.	95.9%	7.6%	765.3	**89**	765.3	68	-	250	28,735.7	18,823.0
Superman Resources Inc.	86.4%	9.9%	750.7	**90**	693.6	77	57.1	129	12,686.4	5,510.9
Caltex Energy Inc.	83.6%	-2.6%	747.0	**91**	223.8	137	523.2	44	21,031.6	4,549.9
Ventunion Natural Resources Limited	95.8%	-1.3%	745.5	**92**	739.2	72	6.3	208	85,539.2	17,926.2
Glenogle Energy Inc.	93.8%	3.0%	741.3	**93**	741.3	71	-	250	23,733.1	11,878.8
Cequence Energy Ltd.	95.8%	-3.0%	738.4	**94**	673.2	78	65.2	123	9,592.6	17,644.3
Sonde Resources Corp.	95.0%	-2.1%	732.5	**95**	220.6	139	511.9	45	22,710.2	14,639.7
TimberRock Energy Corp.	12.7%	-37.1%	719.1	**96**	716.7	75	2.4	230	1,665.7	823.6
Compton Petroleum Corporation	96.2%	0.5%	714.5	**97**	493.1	95	221.4	69	34,203.0	18,942.7
Hyperion Exploration Corp.	93.2%	6.8%	710.1	**98**	657.8	79	52.3	133	10,091.8	10,402.5
Barnick Energy Inc.	98.9%	0.7%	710.0	**99**	586.6	88	123.4	98	234,842.1	65,567.9
Rock Energy Inc.	92.6%	1.8%	709.0	**100**	2.7	269	706.3	30	67,441.3	9,563.3
Penn West Santiago Ltd.	94.2%		708.7	**101**	708.7	76	-	250	30,987.1	12,162.6
Baccalieu Energy Inc.	97.9%	7.1%	681.9	**102**	488.9	96	193.0	72	56,191.2	31,657.4
ConocoPhillips Canada Resources Corp.	97.7%	1.6%	674.6	**103**	627.5	82	47.1	138	1,318,443.5	28,840.3
Scollard Energy Inc.	98.7%	10.7%	672.5	**104**	430.9	106	241.6	67	26,459.0	50,081.4
Alberta Petroleum Energy Limited	1.8%	-5.1%	656.2	**105**	108.9	172	547.3	41	3,442.4	668.2

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Sword Energy Inc.	98.4%	0.8%	654.8	**106**	31.4	222	623.4	35	81,610.6	40,265.6
Fairborne Energy Ltd	96.8%	-2.1%	640.6	**107**	640.5	81	0.1	249	58,798.3	19,772.0
Paramount Resources Ltd.	98.6%	0.4%	626.9	**108**	614.4	85	12.5	191	40,937.6	45,619.1
Omers Energy Inc.	99.0%	0.2%	617.3	**109**	617.3	84	-	250	46,728.4	59,728.9
TORC Oil & Gas Ltd.	30.5%		591.8	**110**	589.3	87	2.5	229	5,826.6	852.0
Pinecrest Energy Inc.	54.9%	-19.3%	574.2	**111**	377.2	112	197.0	71	64,589.1	1,271.7
Lift Resources Inc.	9.9%	0.1%	572.7	**112**	-	275	572.7	38	18,055.7	635.3
Drumlin Energy Corp.	68.5%	-7.9%	554.7	**113**	-	275	554.7	40	18,241.5	1,760.3
Traverse Energy Ltd.	81.4%	37.0%	533.7	**114**	468.3	99	65.4	121	6,007.8	2,872.7
Celtic Exploration Ltd.	94.7%	11.0%	528.1	**115**	460.1	102	68.0	118	36,261.8	9,862.7
Response Energy Corporation	77.6%	-5.9%	528.0	**116**	245.4	131	282.6	59	10,786.1	2,361.3
Conserve Oil Corporation	93.4%	0.0%	507.1	**117**	506.5	93	0.6	244	21,660.8	7,664.3
Connaught Oil & Gas Ltd.	0.0%		503.9	**118**	503.9	94	-	250	2,727.8	503.9
Palliser Oil & Gas Corporation	9.7%	0.1%	500.5	**119**	-	275	500.5	46	14,332.4	564.0
Wolf Coulee Resources Inc.	96.1%	-1.8%	482.0	**120**	466.4	100	15.6	186	15,526.4	12,444.0
Siphon Energy Corp.	24.9%	8.8%	480.3	**121**	480.3	97	-	250	957.1	639.8
Central Global Resources, ULC	94.4%	-1.9%	473.5	**122**	342.3	118	131.2	94	10,102.7	8,492.6
Flow Back Oil & Gas Ltd.	0.0%	0.0%	470.9	**123**	470.9	98	-	250	410.7	470.9
Alberta Oilsands Inc.	32.6%	8.1%	462.2	**124**	462.2	101	-	250	1,886.8	685.9
Novus Energy Inc.	83.1%	59.9%	447.9	**125**	447.9	103	-	250	4,638.6	2,651.2
Bernum Petroleum Ltd.	30.8%	-49.9%	447.2	**126**	440.0	104	7.2	206	21,935.2	646.4
Seven Generations Energy Ltd.	97.0%	-3.0%	435.6	**127**	435.6	105	-	250	19,201.8	14,275.9
Spartan Oil Corp.	95.6%	7.8%	433.0	**128**	360.1	115	72.9	116	24,150.1	9,793.9
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp.	99.1%	0.2%	430.4	**129**	186.9	147	243.5	66	74,025.4	48,222.1
Barnwell of Canada, Limited	90.6%	-5.6%	408.5	**130**	408.5	108	-	250	11,527.3	4,328.9
Japan Canada Oil Sands Limited	93.3%	-0.8%	406.8	**131**	406.8	109	-	250	382,394.4	6,082.8
Whitehall Energy Ltd.	17.4%	1.5%	396.4	**132**	68.0	194	328.4	53	6,812.2	479.6
Crocotta Energy Inc.	99.1%	-0.1%	392.5	**133**	-	275	392.5	51	17,308.4	44,853.2
Shoreline Oil & Gas Ltd.	0.0%		386.6	**134**	386.6	110	-	250	1,611.0	386.6
Ki Exploration Inc.	93.5%	1.3%	385.0	**135**	344.0	117	41.0	146	3,818.1	5,904.0
Mec Operating Company ULC	98.9%	0.4%	382.1	**136**	278.0	126	104.1	93	69,433.4	33,549.8
Indra Oil & Gas Ltd.	0.0%	0.0%	370.9	**137**	352.1	116	18.8	179	1,616.4	370.9
Exshaw Oil Corp.	99.4%	-0.1%	368.7	**138**	368.7	114	-	250	67,757.2	59,997.1
Kasten Energy Inc.	0.0%	-2.8%	359.5	**139**	-	275	359.5	52	4,979.8	359.5
Exall Energy Corporation	95.1%	1.8%	358.1	**140**	232.6	134	125.5	97	79,955.4	7,246.6

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Traxon Oil Operations Ltd.	91.0%	-5.8%	345.3	**141**	211.4	142	133.9	90	31,830.2	3,828.6
Tournament Exploration Ltd.	98.1%	1.9%	342.2	**142**	209.0	143	133.2	92	22,541.1	18,434.5
Path Resources Ltd.	18.3%	7.0%	324.5	**143**	324.4	119	0.1	249	1,962.5	397.2
Compass Petroleum Inc.	88.6%	1.1%	322.5	**144**	309.9	121	12.6	190	10,986.3	2,827.5
Petro Viking Management Corp.	9.6%	9.6%	318.8	**145**	318.8	120	-	250	941.5	352.8
Muirfield Resources Ltd.	75.8%		300.1	**146**	279.7	124	20.4	178	3,684.8	1,238.9
Terrex Energy Inc.	92.8%	39.9%	299.5	**147**	265.3	128	34.2	153	11,782.9	4,170.2
Keyera Energy Ltd.	94.9%	-4.9%	295.6	**148**	295.6	123	-	250	10,222.3	5,783.3
Suncor Energy Oil and Gas Partnership	99.4%	0.1%	280.8	**149**	279.6	125	1.2	239	119,229.3	43,518.5
Tangle Creek Energy Ltd.	63.5%		272.1	**150**	272.1	127	-	250	5,616.7	744.9
Avalon Exploration Ltd.	0.0%	0.0%	270.7	**151**	-	275	270.7	61	13,741.3	270.7
Midlake Oil & Gas Limited	23.0%	10.0%	263.1	**152**	-	275	263.1	62	2,108.9	341.5
Ravenwood Energy Corp.	99.3%	0.8%	258.4	**153**	202.4	145	56.0	130	31,175.2	35,837.3
Legacy Oil + Gas Inc.	99.2%		257.5	**154**	80.6	189	176.9	75	128,387.6	30,498.3
International Sovereign Energy Corp.	9.6%	-0.1%	254.7	**155**	253.4	129	1.3	238	2,183.4	281.7
Bering Exploration, Company, Ulc	9.9%	-15.2%	251.7	**156**	152.3	156	99.4	100	4,834.7	279.4
Transaction Oil & Gas Ventures Inc.	0.0%	0.0%	249.5	**157**	-	275	249.5	65	1,760.3	249.5
Black Shire Energy Inc.	96.0%	0.5%	249.2	**158**	246.0	130	3.2	223	154,995.8	6,172.3
Benjaka Exploration Inc.	25.8%	25.8%	243.5	**159**	243.5	132	-	250	387.5	328.2
Home Quarter Resources Ltd.	76.8%		243.1	**160**	241.5	133	1.6	236	1,192.2	1,047.9
Chinook Energy Partnership	99.4%	0.1%	242.8	**161**	96.0	178	146.8	84	20,483.0	39,325.0
Anterra Energy Inc.	96.3%	21.0%	235.9	**162**	86.3	186	149.6	82	17,332.3	6,432.4
Sutton Energy Ltd.	0.0%	0.0%	228.6	**163**	228.6	135	-	250	117.9	228.6
1471002 Alberta Ltd.	0.0%	0.0%	221.7	**164**	221.7	138	-	250	392.5	221.7
Sifton Energy Inc.	80.3%	-0.3%	221.7	**165**	167.7	151	54.0	131	4,983.9	1,123.5
Progress Energy Ltd.	98.4%	0.2%	221.7	**166**	130.2	165	91.5	106	18,290.5	13,560.6
Perpetual Energy Operating Corp.	98.4%	-1.4%	221.6	**167**	12.8	246	208.8	70	36,978.0	14,155.7
Polar Star Canadian Oil And Gas, Inc.	97.2%	0.2%	220.6	**168**	219.9	140	0.7	243	33,786.5	7,963.2
AltaGas Ltd.	94.4%	-5.6%	217.0	**169**	217.0	141	-	250	2,447.2	3,875.0
Artek Exploration Ltd.	89.1%	-1.8%	205.2	**170**	202.4	145	2.8	226	2,320.3	1,879.1

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Insignia Energy Ltd.	96.5%	-3.5%	204.8	**171**	204.8	144	-	250	16,964.1	5,796.3
Wild Stream Exploration Inc.	97.8%	2.4%	202.9	**172**	51.8	204	151.1	80	22,690.9	9,217.4
Bay Trail Resources Ltd.	36.1%		188.0	**173**	187.9	146	0.1	249	2,250.1	294.2
Contour Energy Ltd.	82.3%		186.9	**174**	97.4	177	89.5	107	4,339.9	1,055.1
Cougar Oil And Gas Canada Inc.	0.0%		186.9	**175**	53.6	203	133.3	91	5,326.4	186.9
Alexander Oilfield Services Ltd.	68.2%	6.6%	185.0	**176**	185.0	148	-	250	1,410.0	582.0
Persta Resources Inc.	0.0%		183.0	**177**	164.7	152	18.3	181	5,319.1	183.0
Tallgrass Energy Corp.	79.6%	-20.4%	181.2	**178**	172.3	150	8.9	199	8,522.8	886.7
Cinch Energy Corp.	50.9%	-49.1%	176.9	**179**	176.9	149	-	250	653.9	360.3
Ribbon Creek Resources Inc.	94.6%	2.0%	175.7	**180**	147.4	156	28.3	163	4,317.0	3,263.6
Delphi Energy Corp.	99.5%	0.0%	168.1	**181**	-	275	168.1	77	67,037.9	32,827.9
Twoco Petroleums Ltd.	86.9%	44.0%	168.0	**182**	-	275	168.0	78	5,910.6	1,278.8
Ceno Energy Limited	41.8%	-51.5%	162.9	**183**	31.5	221	131.4	93	4,514.6	280.1
Culane Energy Corp.	97.0%	-0.4%	159.9	**184**	25.2	228	134.7	89	24,673.7	5,265.4
Fogo Energy Corp.	7.9%	7.9%	156.5	**185**	156.5	153	-	250	1,751.0	169.9
Bronco Energy Ltd.	98.8%	0.2%	154.6	**186**	154.6	154	-	250	17,139.0	12,804.8
Hard Rock Resources Ltd.	75.9%	75.9%	149.9	**187**	-	275	149.9	81	2,144.5	622.3
Hermes Financial Inc.	59.1%	-21.7%	147.1	**188**	147.1	157	-	250	3,986.3	359.2
Sphere Energy Corp.	43.8%	10.4%	145.6	**189**	14.8	244	130.8	95	2,715.6	259.0
Redwater Energy Corp.	67.7%	-29.1%	144.1	**190**	144.1	158	-	250	2,630.3	445.7
Dirham Oil (2000) Inc.	0.0%	0.0%	142.0	**191**	142.0	159	-	250	351.5	142.0
Milestone Exploration Inc.	98.2%	26.8%	140.8	**192**	140.8	160	-	250	13,097.8	8,006.7
Halvar Resources Ltd.	46.4%	-11.3%	139.0	**193**	139.0	161	-	250	10,501.9	259.2
Dark Energy Ltd.	66.0%	-3.3%	138.8	**194**	-	275	138.8	87	7,427.1	407.9
Iberdrola Canada Energy Services Ltd.	99.6%	0.2%	138.2	**195**	-	275	138.2	88	2,763.4	31,282.5
Dewpoint Resources Ltd.	0.0%		138.0	**196**	138.0	162	-	250	789.7	138.0
Sedna Oil And Gas Ltd.	3.9%	-21.4%	136.4	**197**	134.4	163	2.0	233	757.0	142.0
Petrosands Resources (Canada) Inc.	98.2%		132.2	**198**	132.2	164	-	250	14,023.6	7,413.7
NEP Canada ULC	98.8%		126.7	**199**	93.7	179	33.0	155	24,332.8	10,954.6
Canadian Coyote Energy Ltd.	20.0%	-80.0%	125.8	**200**	124.7	166	1.1	240	2,020.4	157.2
Southern Pacific Resource Corp.	0.0%		123.9	**201**	123.9	167	-	250	676.8	36.2
97837 Resources Ltd.	28.1%	-0.9%	123.3	**202**	114.9	169	8.4	201	541.0	171.5
Bumper Development Corporation Ltd.	97.5%	-2.5%	123.2	**203**	81.8	188	41.4	145	2,532.7	5,015.9
Tourmaline Oil Corp.	8.8%	-76.0%	119.7	**204**	119.7	168	-	250	276.6	131.2
NEO Exploration Inc.	51.5%	-13.7%	118.0	**205**	92.6	181	25.4	171	4,802.5	243.3

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Clearbrook Resources Inc.	72.8%	-26.7%	116.0	**206**	21.1	235	94.9	102	5,003.4	426.5
South Bay Resources Canada, ULC	24.0%		114.0	**207**	109.6	171	4.4	214	3,466.4	149.9
Blackhawk Resource Operating Corp.	36.8%	-63.2%	113.7	**208**	113.7	170	-	250	5,230.9	179.9
Coastal Resources Limited	95.4%	-0.5%	113.3	**209**	81.8	188	31.5	156	14,665.0	2,442.5
Direct Energy Marketing Limited	99.4%	0.3%	110.0	**210**	93.3	180	16.7	184	26,453.1	17,560.1
Plains Midstream Canada ULC	0.0%	0.0%	109.6	**211**	109.6	171	-	250	-	-
Ashton Oil & Gas Ltd.	98.6%	-1.4%	108.4	**212**	108.4	173	-	250	26,441.3	7,702.6
KinMerc Oil & Gas Inc.	61.8%	-5.7%	102.1	**213**	100.5	175	1.6	236	4,903.1	267.1
Cumberland Oil & Gas Ltd.	19.8%	0.6%	98.8	**214**	98.7	176	0.1	249	2,503.7	123.2
Cougar Energy Inc.	0.0%	0.0%	97.0	**215**	38.4	214	58.6	126	2,372.6	97.0
Cangild Resources Ltd.	0.0%	0.0%	94.3	**216**	-	275	94.3	103	280.3	94.3
Shanpet Resources Ltd.	74.0%	-8.4%	93.7	**217**	-	275	93.7	105	2,162.2	360.7
Conserve Oil & Gas No. II Corporation	97.4%		92.3	**218**	41.9	211	50.4	136	24,104.8	3,488.0
Concerto Resources Ltd.	40.1%	9.2%	91.1	**219**	50.4	206	40.7	147	504.7	152.0
Pradera Resources Inc.	76.5%	52.2%	91.1	**220**	2.7	269	88.4	108	39,871.6	388.2
Statoil Canada Ltd.	99.2%	99.2%	89.8	**221**	89.8	182	-	250	585,985.5	11,034.7
Conserve Oil 6th Corporation	88.4%		88.6	**222**	88.6	183	-	250	3,091.3	762.5
Sanford Petroleum Ltd.	0.0%	0.0%	87.3	**223**	-	275	87.3	109	3,331.5	87.3
Regco Petroleums Ltd.	16.2%	-83.8%	87.2	**224**	87.2	184	-	250	1,358.0	104.1
Navarone Energy Corporation	95.9%	20.0%	85.9	**225**	85.9	186	-	250	5,996.7	2,090.2
New North Resources Ltd.	91.3%	4.5%	84.6	**226**	39.1	213	45.5	141	2,244.5	975.7
Canflame Energy Ltd.	95.6%	-2.1%	84.3	**227**	84.3	187	-	250	1,036.8	1,910.1
Ridal Resource Ltd.	0.0%	0.0%	83.5	**228**	-	275	83.5	110	2,081.2	83.5
Invicta Energy Corp.	87.7%		82.9	**229**	-	275	82.9	111	928.6	674.1
Stonewater Resources Inc.	0.0%	0.0%	80.5	**230**	69.6	193	10.9	195	422.4	80.5
Owl River Resources Ltd.	93.3%	-1.2%	79.8	**231**	79.8	190	-	250	1,721.8	1,196.7
Crazy Hill Resources Ltd.	0.0%	0.0%	79.5	**232**	-	275	79.5	113	761.3	79.5
Diaz Resources Ltd.	89.5%	-8.7%	77.1	**233**	63.7	196	13.4	189	11,006.5	735.3
United Hunter Oil & Gas Corp.	48.3%		73.7	**234**	73.7	191	-	250	754.5	142.5
Stout Energy Inc.	0.0%		73.4	**235**	-	275	73.4	115	1,523.1	73.4
Nexen Inc.	0.0%	-80.3%	73.3	**236**	73.3	192	-	250	664.9	73.3
Kaiser Exploration Ltd.	99.6%	0.1%	70.6	**237**	4.3	264	66.3	120	12,366.9	15,926.3
Joli Fou Petroleums Ltd.	27.3%	-48.0%	70.4	**238**	67.5	195	2.9	225	1,079.5	96.8
Derrick Petroleum Ltd.	86.6%	-13.4%	67.4	**239**	-	275	67.4	119	1,338.9	501.2
Jaco Energy Limited	92.9%	2.4%	67.0	**240**	59.5	198	7.5	204	5,654.7	949.4

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Petrocapita GP I Ltd.	22.2%		63.0	**241**	36.0	215	27.0	167	2,269.2	81.0
Rustum Petroleums Limited	0.0%	0.0%	61.8	**242**	58.0	199	3.8	218	2,453.2	61.8
Harness Petroleum Inc.	58.2%	-30.7%	60.7	**243**	49.8	207	10.9	196	437.0	145.2
Cowboy Exploration Ltd.	0.0%	0.0%	59.9	**244**	59.9	197	-	250	114.2	59.9
Mato Inc.	95.6%	0.2%	57.6	**245**	-	275	57.6	127	596.0	1,294.1
Solara Exploration Ltd.	99.2%	2.0%	57.3	**246**	-	275	57.3	128	20,764.2	7,521.1
Dolomite Energy Inc.	0.0%		56.3	**247**	56.2	200	0.1	249	5,270.1	56.3
Leddy Exploration Limited	92.7%	2.3%	56.3	**248**	30.7	223	25.6	170	3,721.9	772.0
Tykewest Limited	84.5%	-4.5%	55.7	**249**	32.0	220	23.7	174	3,696.5	368.3
Waldron Energy Corporation	99.5%	0.3%	55.7	**250**	17.1	242	38.6	150	10,237.6	10,586.3
Fort Calgary Resources Ltd.	10.2%	0.1%	55.6	**251**	55.6	201	-	250	3,297.0	61.9
Standard Exploration Ltd.	41.5%		53.7	**252**	53.7	202	-	250	3,273.9	91.8
Golden Spike Energy Inc.	20.0%	20.0%	53.3	**253**	-	275	53.3	132	484.6	66.6
Unconventional Gas Resources Canada Operating, Inc.	94.4%	-5.6%	51.9	**254**	8.5	252	43.4	144	886.4	924.1
B&G Energy Ltd.	27.9%	2.9%	51.3	**255**	51.3	205	-	250	401.9	71.1
White Rain Resources Ltd.	61.4%	9.1%	51.1	**256**	-	275	51.1	134	428.3	132.2
EnCana Corporation	99.9%	0.0%	51.0	**257**	21.5	234	29.5	160	84,451.8	75,187.7
Canadian Abraxas Petroleum, ULC	97.9%	97.9%	50.8	**258**	25.8	227	25.0	173	2,569.7	2,385.0
Quatro Resources Inc.	99.1%	-0.3%	50.5	**259**	-	275	50.5	135	6,025.6	5,404.4
Shoreline Acquisition Corp.	98.0%	-0.1%	49.7	**260**	33.1	219	16.6	185	2,250.0	2,494.9
Deethree Exploration Ltd.	99.8%	-0.2%	48.2	**261**	48.2	208	-	250	35,366.3	21,569.6
South Ridge Management Ltd.	0.0%	0.0%	45.8	**262**	45.8	209	-	250	291.9	45.8
Avatar Energy Ltd.	90.3%		45.6	**263**	-	275	45.6	140	752.6	471.9
Hunt Oil Company Of Canada, Inc.	98.9%	-0.8%	45.5	**264**	45.5	210	-	250	8,979.3	4,157.2
Gamet Resources Ltd.	94.2%	17.4%	44.6	**265**	-	275	44.6	142	1,190.6	768.6
MKE Canada Ltd.	72.3%		41.5	**266**	33.4	218	8.1	203	1,455.2	149.8
Summerland Energy Inc.	97.0%		40.8	**267**	29.3	226	11.5	194	4,459.3	1,390.0
Orion Oil & Gas Corporation	99.6%	0.2%	39.9	**268**	17.7	241	22.2	176	40,404.7	9,516.2
BLZ Energy Ltd.	0.0%		39.6	**269**	39.6	212	-	250	328.6	39.6
Sogar Resources Ltd.	98.2%	0.1%	39.5	**270**	-	275	39.5	148	1,837.7	2,195.6
Border Petroleum Corp.	0.0%	-19.5%	38.9	**271**	-	275	38.9	149	2,191.0	38.9
Gold Ridge Investments Corporation	0.0%	0.0%	38.5	**272**	-	275	38.5	151	187.2	38.5
Arrow Point Oil & Gas Ltd.	0.0%		37.6	**273**	-	275	37.6	152	1,092.4	17.6
Conserve Oil 1st Corporation	85.2%		37.3	**274**	10.2	250	27.1	166	2,730.4	252.2
Eclipse Resources Ltd.	99.5%	-0.2%	35.9	**275**	7.0	256	28.9	162	8,345.9	7,058.0

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Primrose Drilling Ventures Ltd	93.2%	-4.3%	33.7	276	-	275	33.7	154	774.1	493.6
Beaver Lake Resources Corporation	0.0%	0.0%	33.6	277	33.6	217	-	250	500.9	33.6
Base Resources Inc	99.3%	0.0%	31.4	278	24.0	229	7.4	205	719.2	4,424.3
Barcomp Petroleum Ltd	0.0%	0.0%	31.1	279	-	275	31.1	157	6,815.6	31.1
Broadview Energy Ltd	42.5%		30.7	280	-	275	30.7	158	1,391.4	53.4
Goodland Energy Ltd	73.0%	-15.0%	30.5	281	-	275	30.5	159	2,126.5	113.0
Pavilion Energy Corp	83.7%	-16.3%	30.2	282	4.0	266	26.2	169	10,619.5	185.5
Corex Resources Ltd	99.2%		30.0	283	29.8	224	0.2	248	9,101.6	3,715.5
Online Energy Inc	92.0%		29.8	284	29.8	224	-	250	1,229.0	370.0
Newalta Corporation	0.0%	-63.2%	29.6	285	29.6	225	-	250	1,113.9	29.6
545279 Alberta Limited	0.0%	0.0%	26.2	286	-	275	26.2	169	199.4	26.2
Windtalker Energy Corp	0.0%		25.2	287	-	275	25.2	172	4,259.9	25.2
935821 Alberta Ltd	0.0%	0.0%	25.0	288	22.0	232	3.0	224	1,256.5	25.0
Radius Resources Corp	0.0%	0.0%	23.1	289	22.7	231	0.4	246	476.9	23.1
Border Acquisition Corporation	98.1%		23.0	290	23.0	230	-	250	819.6	1,233.9
Surat Energy Inc	97.9%	1.3%	23.0	291	20.4	237	2.6	228	1,227.1	1,074.7
Edge Resources Inc	90.6%		22.7	292	22.7	231	-	250	5,678.8	240.3
Mika Resources Ltd	97.4%	1.5%	22.0	293	20.0	239	2.0	233	209.1	851.7
Taku Gas Limited	89.2%	-6.8%	21.9	294	21.8	233	0.1	249	6,079.0	202.8
Frog Lake Energy Resources Corp	0.0%		21.6	295	-	275	21.6	177	4,713.1	21.6
Blaze Energy Ltd	99.9%	0.0%	20.6	296	20.6	236	-	250	24,607.8	37,271.1
Kootenay Energy Inc	73.4%	16.2%	20.2	297	20.2	238	-	250	5,117.7	76.0
Varenna Energy Ltd	45.4%	23.4%	20.0	298	20.0	239	-	250	1,263.1	36.6
Clampett Energy Ltd	88.7%	3.2%	18.4	299	-	275	18.4	180	1,881.4	162.5
Western Plains Petroleum Ltd	95.5%	-4.5%	18.0	300	-	275	18.0	182	6,154.5	399.7
Expand Energy Corporation	0.0%		17.8	301	17.8	240	-	250	74.6	17.8
Bowood Energy Ltd	99.7%	1.5%	17.3	302	-	275	17.3	183	9,999.9	4,987.7
Nexxtep Resources Ltd	81.7%		17.2	303	17.0	243	0.2	248	147.4	94.1
Crowsnest Energy Ltd	0.0%		15.4	304	-	275	15.4	187	606.4	15.4
Capio Exploration Ltd	99.9%	-0.1%	15.0	305	14.0	245	1.0	241	6,545.4	10,798.1
Marquee Petroleum Ltd	88.2%		14.8	306	14.8	244	-	250	592.3	124.9
Prosper Petroleum Ltd	0.0%	0.0%	13.7	307	-	275	13.7	188	9,004.8	13.7
CNPC International (Canada) Ltd	95.5%	-4.5%	12.5	308	12.5	247	-	250	1,321.8	275.1
Tandem Energy Corporation	99.5%	0.2%	12.4	309	-	275	12.4	192	1,926.0	2,435.4
MEG Energy Corp	99.9%	0.9%	11.8	310	11.8	248	-	250	1,543,758.3	11,719.4

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PROVINCIAL RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Petroglobe Inc	89.2%	5.5%	11.0	**311**	5.5	261	5.5	211	957.8	10.2.0
Rise Resources Corp	0.0%	-91.9%	10.8	**312**	10.8	249	-	250	742.8	10.8
Wrangler West Energy Corp	99.9%	0.1%	10.7	**313**	8.3	253	2.4	230	11,038.1	8,131.6
Koch Oil Sands Operating ULC	0.0%	-87.8%	10.6	**314**	-	275	10.6	196	5,593.0	10.6
Edalis Energy Inc	99.0%	0.7%	10.5	**315**	6.2	259	4.3	215	3,935.1	1,065.1
Sahara Energy Ltd	85.6%	-14.4%	10.5	**316**	-	275	10.5	197	1,498.3	73.1
Magnum Energy Inc	79.9%		10.2	**317**	6.6	258	3.6	219	1,896.2	50.8
Sinopec Daylight Energy Ltd	0.0%		9.6	**318**	9.6	251	-	250	828.1	9.6
Milen's Oilfield Enterprises Ltd	99.7%	-0.1%	9.6	**319**	-	275	9.6	198	166.5	2,919.1
Rustler Petroleum Inc	64.3%	-1.9%	8.7	**320**	-	275	8.7	200	56.2	24.4
Sunshine Oilsands Ltd	0.0%	-16.7%	8.4	**321**	0.1	274	8.3	202	20,200.3	8.4
Suncor Energy Inc	99.6%	-0.2%	8.2	**322**	8.2	254	-	250	1,743,044.2	1,869.0
Venty Energy Ltd	99.0%		8.0	**323**	8.0	255	-	250	769.6	774.0
Welleco Ventures Ltd	56.9%	-43.1%	7.5	**324**	4.2	265	3.3	222	322.5	17.4
Petro Buyers Inc	93.5%	-6.5%	7.1	**325**	6.8	257	0.3	247	1,310.2	109.5
Berry Creek Resources Inc	90.8%	8.1%	7.0	**326**	7.0	256	-	250	30.1	76.4
Northern Hunter Energy Inc	98.5%	-0.7%	6.8	**327**	-	275	6.8	207	1,444.5	447.6
Reid Resources Ltd	57.2%	57.2%	6.2	**328**	-	275	6.2	209	1,009.8	14.5
Detector Exploration Ltd	7.6%	-51.5%	6.1	**329**	6.1	260	-	250	1,150.2	6.6
Regent Resources Ltd	97.9%	-2.1%	5.7	**330**	-	275	5.7	210	371.6	271.8
Hawk Exploration Ltd	99.8%	0.4%	5.4	**331**	5.2	262	0.2	248	15,604.2	2,439.1
Emerald Bay Energy Inc	0.0%	0.0%	4.9	**332**	-	275	4.9	213	509.2	4.9
Shoreline Energy Corp	99.7%		4.7	**333**	4.7	263	-	250	1,893.5	1,348.0
Wilcox Energy Corp	0.0%		4.2	**334**	4.2	265	-	250	76.8	4.2
385417 Alberta Ltd	99.1%	-0.4%	4.2	**335**	-	275	4.2	216	2,716.8	457.3
Gunnar Resources Inc	0.0%		3.9	**336**	-	275	3.9	217	750.4	3.9
Oban Energy Ltd	99.8%	-0.2%	3.8	**337**	-	275	3.8	218	4,307.7	2,035.3
Lockwood Resources Ltd	99.6%	-0.4%	3.6	**338**	3.6	267	-	250	92.3	876.8
Reber Exploration Ltd	0.0%	0.0%	3.6	**339**	-	275	3.6	219	116.6	3.6
Ener T Corporation	0.0%	0.0%	3.5	**340**	-	275	3.5	220	2,085.2	3.5
Seven Energy (Canada) Inc	99.0%	-0.6%	3.4	**341**	-	275	3.4	221	222.3	323.8
Duel Energy Inc	0.0%	0.0%	3.0	**342**	3.0	268	-	250	165.0	3.0
Fox Creek Petroleum Corp	99.6%	-0.4%	3.0	**343**	-	275	3.0	224	3,566.8	783.5
Ascent Energy Ltd	99.4%	0.0%	2.9	**344**	-	275	2.9	225	930.6	509.9
Eastnell Resources Ltd	0.0%	0.0%	2.8	**345**	-	275	2.8	226	113.6	2.8

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CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Brazeau NRG Ltd.	99.7%	2.5%	2.7	**346**	2.7	269	-	250	546.1	914.4
Bard Energy Resources Ltd.	70.0%	23.0%	2.7	**347**	-	275	2.7	227	189.9	9.0
Petromin Resources Ltd.	0.0%	0.0%	2.6	**348**	-	275	2.6	228	4,314.5	2.6
Alka Resources Ltd.	95.2%	-1.9%	2.4	**349**	-	275	2.4	230	615.3	49.8
Sun Century Petroleum Corporation	96.0%		2.4	**350**	-	275	2.4	230	5,901.4	59.3
Camino Industries Inc.	99.5%	-0.3%	2.2	**351**	-	275	2.2	231	291.2	459.3
Terra Energy Corp.	99.8%	1.3%	2.1	**352**	0.2	273	1.9	234	10,698.1	1,225.4
Firenze Energy Ltd.	99.6%		2.1	**353**	-	275	2.1	232	4,653.6	523.5
Forent Energy Ltd.	0.0%	0.0%	1.9	**354**	-	275	1.9	234	357.1	1.9
En Ment Corporation Ltd.	34.6%	-4.8%	1.7	**355**	-	275	1.7	235	16.3	2.6
611890 Alberta Inc.	0.0%	-14.3%	1.6	**356**	-	275	1.6	236	6,040.9	1.6
Enerstar Petroleum Corp.	90.3%	90.3%	1.5	**357**	-	275	1.5	237	420.8	15.4
Hillsdale Drilling Ltd.	0.0%	0.0%	1.5	**358**	-	275	1.5	237	250.2	1.5
Sojourn Energy Inc.	60.5%	15.5%	1.5	**359**	-	275	1.5	237	326.5	3.8
T & E Oils Ltd.	67.5%	-4.6%	1.3	**360**	1.3	270	-	250	258.4	4.0
Foundation Resources Gp Corporation	0.0%		1.2	**361**	-	275	1.2	239	110.2	1.2
Grand Rapids Petroleum Ltd.	0.0%	0.0%	1.2	**362**	-	275	1.2	239	683.8	1.2
Brahma Resources Ltd.	97.6%	-2.1%	1.1	**363**	-	275	1.1	240	622.2	46.1
KMD Resources Ltd.	98.5%	0.3%	1.0	**364**	-	275	1.0	241	459.5	64.7
Murelle Enterprises Inc.	99.9%	0.0%	0.8	**365**	-	275	0.8	242	179.8	947.2
Thoroughbred Energy Ltd.	99.8%	0.0%	0.8	**366**	-	275	0.8	242	3,425.6	389.9
Prospex Resources Ltd.	100.0%	0.0%	0.6	**367**	0.3	272	0.3	247	275.7	3,675.4
Flagstone Energy Inc.	66.7%	14.0%	0.5	**368**	0.5	271	-	250	499.6	1.5
Strategic Oil & Gas Ltd.	99.9%	2.7%	0.5	**369**	-	275	0.5	245	8,214.0	749.3
Anglo Canadian Oil Corp.	0.0%		0.4	**370**	-	275	0.4	246	25.5	0.4
Kairos Resources (2011) Ltd.	20.0%		0.4	**371**	-	275	0.4	246	674.9	0.5
Spur Resources Ltd.	0.0%		0.4	**372**	-	275	0.4	246	224.4	0.4
Petenco Resources Ltd.	40.0%	55.3%	0.3	**373**	0.3	272	-	250	69.5	0.5
Sydco Energy Inc.	100.0%		0.3	**374**	0.2	273	0.1	249	25,245.0	4,167.2
Nextraction Energy Corp.	0.0%		0.2	**375**	0.2	273	-	250	85.8	0.2
Petro Uno Resources Ltd.	99.8%	2.5%	0.2	**376**	-	275	0.2	248	206.3	108.9
Rimfire Energy Inc.	100.0%		0.2	**377**	-	275	0.2	248	2,273.5	932.4
RMP Energy Inc.	100.0%		0.2	**378**	-	275	0.2	248	34,446.7	27,848.7
Jayhawk Resources Ltd.	0.0%	0.0%	0.1	**379**	-	275	0.1	249	69.7	0.1
Mooncor Energy Inc.	99.7%	0.1%	0.1	**380**	-	275	0.1	249	589.1	35.3

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CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Northern Utilities (sask.) Ltd.	50.0%	50.0%	0.1	**381**	-	275	0.1	249	332.8	0.2
Raimount Energy Inc.	0.0%		0.1	**382**	-	275	0.1	249	56.4	0.1
Seffian Petroleums Ltd.	0.0%	0.0%	0.1	**383**	-	275	0.1	249	27.5	0.1
Trihawk Energy Ltd.	75.0%	75.0%	0.1	**384**	-	275	0.1	249	16.8	0.4
Westdrum Energy Ltd.	100.0%	0.0%	0.1	**385**	-	275	0.1	249	1,216.0	633.5
North Peace Energy Corp.	N/A	N/A	-	**386**	-	288	-	250	-	-
1288131 Alberta Ltd.	100.0%	0.0%	-	**387**	-	275	-	250	839.4	389.1
1350139 Alberta Ltd.	N/A	N/A	-	**388**	-	N/A	-	N/A	44.2	-
981384 Alberta Ltd.	100.0%	0.0%	-	**389**	-	275	-	250	60.6	123.6
Adanac Oil & Gas Limited	100.0%	0.0%	-	**390**	-	275	-	250	2,096.8	995.0
Alpetro Resources Ltd.	100.0%	0.0%	-	**391**	-	275	-	250	1,330.4	4,053.0
AltaCanada Energy Partnership	100.0%	0.0%	-	**392**	-	275	-	250	39.1	26.9
Amco Energy Ltd.	N/A	N/A	-	**393**	-	N/A	-	N/A	12.8	-
Artemis Exploration Inc.	100.0%	1.2%	-	**394**	-	275	-	250	7,411.5	478.2
Atka Energy Corp.	N/A	N/A	-	**395**	-	N/A	-	N/A	77.7	-
Avalon Energy Ltd.	100.0%	0.0%	-	**396**	-	275	-	250	974.6	83.1
Bashaw Oil Ltd.	100.0%		-	**397**	-	275	-	250	1,213.6	306.3
Beatton Energy Inc.	N/A	N/A	-	**398**	-	N/A	-	N/A	225.6	-
Bentley Oil & Gas Ltd.	100.0%	0.0%	-	**399**	-	275	-	250	567.9	49.2
Birchill Exploration Limited Partnership	100.0%	0.0%	-	**400**	-	275	-	250	309.8	965.4
BNP Resources Inc.	100.0%	0.0%	-	**401**	-	275	-	250	238.2	182.0
Bounty Developments Ltd.	100.0%	73.9%	-	**402**	-	275	-	250	266.9	5.6
Canadian Coastal Resources Ltd.	100.0%	100.0%	-	**403**	-	275	-	250	82.1	8.2
Canext Energy Ltd.	100.0%	4.3%	-	**404**	-	275	-	250	2,622.6	305.3
Canyon Oil & Gas Corporation	100.0%	0.0%	-	**405**	-	275	-	250	115.1	705.4
Cascade Resources Inc.	100.0%	0.0%	-	**406**	-	275	-	250	506.9	25.7
Centennial Petroleum Company Ltd.	100.0%	0.0%	-	**407**	-	275	-	250	866.6	957.0
Chinook Energy Inc.	N/A	N/A	-	**408**	-	N/A	-	N/A	65.5	-
Condor Canada Petroleum Inc.	100.0%	0.0%	-	**409**	-	275	-	250	4,052.7	383.6
ConocoPhillips Canada Operations Ltd.	100.0%	0.0%	-	**410**	-	275	-	250	-	173.3
Crew Energy Partnership	100.0%	0.0%	-	**411**	-	275	-	250	3,075.8	2,279.5
Desmarais Energy Corporation	100.0%	11.9%	-	**412**	-	275	-	250	1,606.2	1,131.4
E-T Energy Ltd.	N/A	N/A	-	**413**	-	N/A	-	N/A	89.2	-
Eiger Energy Ltd.	100.0%	0.0%	-	**414**	-	275	-	250	5,574.4	106.1
Elkwater Resources Ltd.	100.0%		-	**415**	-	275	-	250	363.6	1,076.4

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Ferrybank Resources Ltd.	100.0%	0.5%	-	**416**	-	275	-	250	1,437.1	374.5
Five O Oil & Gas Ltd.	100.0%	0.0%	-	**417**	-	275	-	250	356.1	6.0
Frontier Energy Inc.	N/A	N/A	-	**418**	-	N/A	-	N/A	62.7	-
Gpi Oil & Gas Inc.	N/A	N/A	-	**419**	-	N/A	-	N/A	14.1	-
Grandview Exploration Inc.	100.0%	0.0%	-	**420**	-	275	-	250	1,699.9	3.5
Gryphon Petroleum Corp.	100.0%	0.0%	-	**421**	-	275	-	250	3,595.4	484.1
Hemisphere Energy Corporation	100.0%		-	**422**	-	275	-	250	3,742.6	54.9
Inception Exploration Ltd.	100.0%		-	**423**	-	275	-	250	70.4	64.5
International Frontier Resources Corporation	100.0%	0.0%	-	**424**	-	275	-	250	2,147.7	75.1
Ironhorse Oil & Gas Inc.	100.0%	69.1%	-	**425**	-	275	-	250	10,905.1	956.0
Ish Energy Ltd.	100.0%	0.0%	-	**426**	-	275	-	250	941.5	571.9
Knowledge Energy Inc.	100.0%	0.0%	-	**427**	-	275	-	250	1,495.0	5,060.7
Land Petroleum International Inc.	N/A	N/A	-	**428**	-	N/A	-	N/A	263.0	-
Lario Oil & Gas Company	100.0%	0.0%	-	**429**	-	275	-	250	688.8	148.7
Legend Energy Canada Ltd.	N/A	N/A	-	**430**	-	N/A	-	N/A	96.5	-
Linklater Lp	100.0%	0.0%	-	**431**	-	275	-	250	974.3	1.7
LOF Energy Ltd.	N/A	N/A	-	**432**	-	N/A	-	N/A	25.0	-
Luxor Oil And Gas Ltd.	N/A	N/A	-	**433**	-	N/A	-	N/A	33.7	-
Malak Energy Inc.	N/A	N/A	-	**434**	-	N/A	-	N/A	34.4	-
MOGL Corp.	100.0%	0.0%	-	**435**	-	275	-	250	220.4	324.1
Mount Dakota Energy Corp.	100.0%	100.0%	-	**436**	-	275	-	250	187.8	16.7
Northern Patriot Oil & Gas Ltd.	100.0%		-	**437**	-	275	-	250	11,359.5	1,992.9
Northern Spirit Resources Inc.	100.0%		-	**438**	-	275	-	250	70.8	47.8
One Earth Oil & Gas Inc.	100.0%		-	**439**	-	275	-	250	145.8	753.0
OneEx Operations Partnership	100.0%	32.8%	-	**440**	-	275	-	250	46.4	18.6
Onstad Energy Corp.	100.0%	0.0%	-	**441**	-	275	-	250	1,271.2	39.1
Optimal Resources Inc.	100.0%		-	**442**	-	275	-	250	572.7	7.6
Pennine Petroleum Corporation	100.0%	33.3%	-	**443**	-	275	-	250	711.8	2.4
Petro-Reef Resources Ltd.	100.0%	0.0%	-	**444**	-	275	-	250	12,023.0	6,700.7
Petrospirit Resources Ltd.	N/A	N/A	-	**445**	-	N/A	-	N/A	28.0	-
Peyto Exploration & Development Corp.	100.0%	0.0%	-	**446**	-	275	-	250	766.5	1,309.6
Phoenix Canada Upstream	100.0%		-	**447**	-	275	-	250	1,549.7	6,432.3
Relentless Resources Ltd.	100.0%	3.1%	-	**448**	-	275	-	250	138.7	2,633.7
Renegade Petroleum Ltd.	100.0%		-	**449**	-	275	-	250	178.1	107.6
Revive Energy Corp.	100.0%	0.0%	-	**450**	-	275	-	250	36.4	2.6

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CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS CONS CHANGE[2]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Revolution Resources Ltd.	100.0%	0.0%	-	**451**	-	275	-	250	238.0	13.8
RIA Resources Corp.	100.0%	0.0%	-	**452**	-	275	-	250	1,703.5	1,375.4
RON Resources Ltd.	N/A	N/A	-	**453**	-	N/A	-	N/A	7.8	-
SGG Resources Inc.	N/A	N/A	-	**454**	-	N/A	-	N/A	323.6	-
Shapco Resources Ltd.	100.0%	0.0%	-	**455**	-	275	-	250	1,803.3	970.1
Silver Bay Resources Ltd.	100.0%	0.0%	-	**456**	-	275	-	250	246.5	374.3
Silver Blaze Energy Ltd.	100.0%	4.1%	-	**457**	-	275	-	250	476.5	126.1
Sirius Energy Inc.	100.0%	0.0%	-	**458**	-	275	-	250	34.5	13.0
Standard Resources Inc.	100.0%	0.0%	-	**459**	-	275	-	250	6,373.5	781.5
Steen River Oil & Gas Ltd.	100.0%	0.0%	-	**460**	-	275	-	250	27,084.7	1,995.8
Sterling Eagle Oil Corporation	100.0%	0.0%	-	**461**	-	275	-	250	2,232.6	129.5
Stetson Oil & Gas Ltd.	100.0%	0.0%	-	**462**	-	275	-	250	57.2	139.9
Success Resources Ltd.	N/A	N/A	-	**463**	-	N/A	-	N/A	11.0	-
Summerfield Energy Inc.	100.0%	0.0%	-	**464**	-	275	-	250	472.6	138.2
Sunrise Energy Ltd.	N/A	N/A	-	**465**	-	N/A	-	N/A	288.1	-
Teague Exploration Inc.	100.0%	0.0%	-	**466**	-	275	-	250	18,158.4	1,320.5
Texokcan Extreme General Partner Ltd.	100.0%	0.0%	-	**467**	-	275	-	250	1,319.6	298.3
The Locke Stock & Barrel Company Ltd.	N/A	N/A	-	**468**	-	N/A	-	N/A	416.8	-
Tranion Resources Ltd.	100.0%	0.0%	-	**469**	-	275	-	250	61.0	127.5
Unicorn Agri-Oil Ltd.	100.0%	0.0%	-	**470**	-	275	-	250	163.1	5.0
Velvet Energy Ltd.	100.0%		-	**471**	-	275	-	250	3,533.9	1,108.2
Verge Energy Corp.	N/A	N/A	-	**472**	-	N/A	-	N/A	7.7	-
Vertex Oil & Gas Ltd.	100.0%	0.0%	-	**473**	-	275	-	250	3.5	2.0
Vesta Energy Ltd.	100.0%		-	**474**	-	275	-	250	1,527.2	3,476.7
Waseca Energy Inc.	N/A	N/A	-	**475**	-	N/A	-	N/A	0.2	-
West Isle Energy Inc.	N/A	N/A	-	**476**	-	N/A	-	N/A	19.3	-
Westhill Resources Limited	100.0%	0.0%	-	**477**	-	275	-	250	1,022.0	6,596.1
Wildcat Rentals Ltd.	100.0%	0.0%	-	**478**	-	275	-	250	1,154.3	122.4
Williston Hunter Canada, Inc.	100.0%		-	**479**	-	275	-	250	18,730.6	1,719.1
Winter Petroleum Ltd.	100.0%		-	**480**	-	275	-	250	217.7	123.1
Yellow Brick Energy Ltd.	100.0%	0.0%	-	**481**	-	275	-	250	226.4	107.6
Yoho Resources Inc.	100.0%	0.0%	-	**482**	-	275	-	250	522.1	3,551.4
Zeal Energy Inc.	100.0%		-	**483**	-	275	-	250	689.5	71.9
PROVINCIAL TOTALS	**94.6%**		**776,114.2**		**426,101.1**		**349,990.2**		**71,546,208.0**	**14,273,994.1**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] For the Gas Conservation Change column, a blank cell indicates that a value was not reported for 2010.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUMES[1, 2]
BONNYVILLE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Canadian Natural Resources Limited	79.8%	158,788.1	1	3,276.1	1	155,512.0	1	11,770,222.1	785,135.2
Devon Canada	83.1%	22,140.6	2	22.7	14	22,117.9	2	4,206,735.9	131,321.2
Husky Oil Operations Limited	59.7%	17,712.6	3	174.1	9	17,538.5	3	924,182.7	43,923.2
Twin Butte Energy Ltd	28.6%	9,549.4	4	68.3	12	9,481.1	4	354,079.4	13,371.1
Cenovus Energy Inc	82.0%	3,321.8	5	422.5	6	2,899.3	6	1,192,330.7	18,480.6
Bonavista Energy Corporation	68.0%	3,004.3	6	-	19	3,004.3	5	56,245.1	9,377.8
Cenovus FCCL Ltd	96.5%	2,775.5	7	2,775.5	2	-	26	6,368,264.2	78,122.3
Connacher Oil And Gas Limited	85.3%	1,732.9	8	1,732.9	3	-	26	775,990.1	11,789.8
Imperial Oil Resources	99.7%	1,423.0	9	1,258.0	4	165.0	13	9,274,828.7	439,062.1
Blackpearl Resources Inc	0.0%	1,416.7	10	20.0	15	1,396.7	7	20,463.5	1,417.3
Manitok Energy Inc	7.8%	1,205.1	11	-	19	1,205.1	8	12,051.0	1,306.7
ConocoPhillips Canada Resources Corp	95.9%	627.5	12	627.5	5	-	26	1,302,586.8	15,216.2
Japan Canada Oil Sands Limited	93.3%	406.8	13	406.8	7	-	26	382,394.4	6,082.8
Rife Resources Ltd	26.3%	325.3	14	-	19	325.3	9	2,092.9	441.1
Harvest Operations Corp	81.3%	325.2	15	-	19	325.2	10	19,865.5	1,739.1
Celtic Exploration Ltd	77.8%	242.7	16	242.0	8	0.7	23	1,133.2	1,095.3
Trafina Energy Ltd	51.8%	235.8	17	-	19	235.8	11	1,227.5	489.2
Twoco Petroleums Ltd	62.1%	168.0	18	-	19	168.0	12	3,162.2	443.6
Signalta Resources Limited	12.8%	162.0	19	-	19	162.0	14	601.2	185.7
Bronco Energy Ltd	98.8%	154.6	20	154.6	10	-	26	17,139.0	12,804.8
Statoil Canada Ltd	99.2%	89.8	21	89.8	11	-	26	585,985.5	11,034.7
Bellatrix Exploration Ltd	0.0%	87.9	22	-	19	87.9	15	7,205.6	87.9
Baytex Energy Ltd	99.1%	87.8	23	-	19	87.8	16	67,252.8	9,508.2
Solara Exploration Ltd	63.9%	34.6	24	-	19	34.6	17	6,727.4	95.8
Broadview Energy Ltd	42.5%	30.7	25	-	19	30.7	18	1,387.7	53.4
Shell Canada Energy	99.5%	25.6	26	25.6	13	-	26	233,848.4	4,994.4
Windtalker Energy Corp	0.0%	25.2	27	-	19	25.2	19	4,259.9	25.2
Frog Lake Energy Resources Corp	0.0%	21.6	28	-	19	21.6	20	4,713.1	21.6
MEG Energy Corp	99.9%	11.8	29	11.8	16	-	26	1,543,758.3	11,719.4
Sunshine Oilsands Ltd	0.0%	8.4	30	0.1	18.0	8.3	21	20,200.3	8.4
Suncor Energy Inc	99.6%	8.2	31	8.2	17	-	26	1,743,044.2	1,869.0
Petromin Resources Ltd	0.0%	2.6	32	-	19	2.6	22	4,314.5	2.6
Perpetual Energy Operating Corp	97.2%	0.3	33	-	19	0.3	24	46.9	10.8
Koch Oil Sands Operating ULC	0.0%	0.2	34	0.0	19	0.2	25	72.9	0.2
CNPC International (Canada) Ltd	N/A	-	N/A	-	N/A	-	N/A	33.9	-

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUMES[1, 2]
BONNYVILLE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
E-T Energy Ltd	N/A	0.0	N/A	0.0	N/A	0.0	N/A	89.2	-
NuVista Energy Ltd	N/A	0.0	35	0.0	19	0.0	26	28.1	-
Westfire Energy Ltd	100.0%	0.0	35	0.0	19	0.0	26	890.8	43.6
TOTALS FOR BONNYVILLE	**86.0%**	**226,152.6**		**11,316.5**		**214,836.1**		**40,909,455.6**	**1,611,280.3**

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Petrobakken Energy Ltd	51.9%	50,681.9	1	50,145.0	1	536.9	6	496,054.5	105,321.8
Whitecap Resources Inc.	87.0%	7,366.4	2	7,070.6	2	295.8	12	108,764.3	56,478.5
Penn West Petroleum Ltd.	98.4%	7,077.9	3	4,371.0	3	2,706.9	1	701,047.4	454,495.3
Daylight Energy Ltd.	97.8%	3,884.3	4	3,753.4	4	130.9	26	525,960.7	178,159.7
Bellatrix Exploration Ltd.	91.8%	3,288.8	5	2,229.8	5	1,059.0	2	124,175.3	40,314.5
Vero Energy Inc.	93.2%	2,312.1	6	1,799.8	6	512.3	7	44,981.5	33,820.4
NuVista Energy Ltd.	89.5%	2,096.0	7	1,446.8	7	649.2	4	44,527.1	19,887.8
Spry Energy Ltd.	78.0%	1,357.5	8	1,328.4	8	29.1	45	24,493.5	6,180.6
ConocoPhillips Canada (BRC) Partnership	98.9%	1,324.0	9	933.4	11	390.6	11	96,334.9	124,236.7
Vermilion Resources Ltd.	98.1%	1,306.7	10	732.0	15	574.7	5	208,970.8	67,142.9
TAQA North Ltd.	97.4%	1,268.4	11	1,260.6	9	7.8	59	41,522.5	49,478.6
ARC Resources Ltd.	99.1%	1,056.9	12	810.5	14	246.4	15	529,409.5	123,296.7
Marquee Energy Ltd.	94.9%	1,021.2	13	947.8	10	73.4	34	20,781.0	19,834.1
Imperial Oil Resources	99.8%	1,001.1	14	843.1	13	158.0	20	174,630.2	533,099.2
PanTerra Resource Corp.	42.1%	920.0	15	915.1	12	4.9	62	2,938.7	1,587.7
Bonterra Energy Corp.	98.8%	879.5	16	82.9	44	796.6	3	216,110.8	74,708.9
Kingsmere Resources Ltd.	23.2%	845.2	17	595.8	17	249.4	14	4,809.4	1,100.1
Penn West Santiago Ltd.	94.2%	708.7	18	708.7	16	-	75	30,987.1	12,162.6
Baccalieu Energy Inc.	97.4%	616.8	19	474.4	20	142.4	24	46,440.9	23,265.4
TORC Oil & Gas Ltd.	33.3%	514.7	20	513.2	18	1.5	68	3,612.4	771.3
Bonavista Energy Corporation	97.5%	504.5	21	391.3	23	113.2	29	44,626.0	20,225.1
Perpetual Energy Inc.	98.9%	489.1	22	489.1	19	-	75	18,702.4	43,124.6
Devon Canada	60.2%	480.9	23	-	74	480.9	8	1,701.1	1,208.5
Harvest Operations Corp.	95.0%	474.3	24	464.9	21	9.4	56	8,517.4	9,431.6
Superman Resources Inc.	56.6%	441.0	25	441.0	22	-	75	489.1	1,015.0
NAL Resources Limited	98.8%	438.0	26	-	74	438.0	9	12,908.9	37,440.2
Spartan Oil Corp.	95.6%	433.0	27	360.1	25	72.9	35	24,150.1	9,793.9
Husky Oil Operations Limited	96.1%	430.5	28	371.4	24	59.1	38	33,437.8	10,934.3
Crocotta Energy Inc.	99.1%	392.3	29	-	74	392.3	10	17,179.3	44,303.4
Enerplus Partnership	98.6%	370.0	30	167.8	36.0	202.2	16.0	92,644.1	25,781.4
EOG Resources Canada Inc.	99.3%	330.5	31	174.1	35	156.4	21	42,038.5	47,585.1
Path Resources Ltd.	18.3%	324.5	32	324.4	26	0.1	74	1,962.5	397.2
Hyperion Exploration Corp.	96.7%	302.4	33	281.4	29	21.0	47	4,884.1	9,222.2
Keyera Energy Ltd.	94.9%	295.6	34	295.6	27	-	75	10,222.3	5,783.3
Exoro Energy Inc.	88.3%	286.9	35	286.3	28	0.6	72	15,199.1	2,447.6

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Advantage Oil & Gas Ltd	88.2%	280.1	36	17.1	54	263.0	13	6,788.8	2,370.8
Nordegg Resources Inc	98.3%	272.4	37	272.4	30	-	75	6,458.1	15,839.6
Benjaka Exploration Inc	25.8%	243.5	38	243.5	31	-	75	387.5	328.2
Compton Petroleum Corporation	95.2%	241.0	39	124.9	40	116.1	28	15,267.7	4,973.9
Anterra Energy Inc	96.3%	234.7	40	86.3	43	148.4	22	15,255.1	6,385.7
Baytex Energy Ltd	99.1%	227.0	41	215.4	32	11.6	53	55,892.8	24,541.9
Sifton Energy Inc	79.4%	217.9	42	164.2	37	53.7	40	4,922.2	1,058.7
Insignia Energy Ltd	93.1%	204.8	43	204.8	33	-	75	10,706.8	2,954.5
Twin Buffe Energy Ltd	80.1%	189.3	44	189.3	34	-	75	618.3	951.2
Scollard Energy Inc	72.2%	170.3	45	-	74	170.3	17	4,137.4	613.0
Delphi Energy Corp	97.0%	164.6	46	-	74	164.6	18	6,283.6	5,409.9
Angle Energy Inc	98.5%	164.2	47	-	74	164.2	19	12,119.5	10,688.2
Longview Oil Corp	95.1%	146.5	48	-	74	146.5	23	8,354.5	2,982.1
Mancal Energy Inc	99.1%	146.3	49	133.3	38	13.0	51	10,256.4	15,706.8
Sword Energy Inc	99.2%	142.3	50	14.8	56	127.5	27	25,246.4	16,688.1
Iberdrola Canada Energy Services Ltd	99.6%	138.2	51	-	74	138.2	25	2,763.4	31,282.5
AvenEx Energy Corp	4.6%	133.5	52	130.7	39	2.8	65	1,657.6	139.9
978337 Resources Ltd	28.1%	123.3	53	114.9	41	8.4	58	541.0	171.5
Mec Operating Company ULC	87.7%	105.7	54	14.6	57	91.1	32	10,540.8	859.9
Conocophillips Canada Energy Partnership	99.8%	100.7	55	-	74	100.7	30	28,696.1	54,621.5
KinMerc Oil & Gas Inc	19.0%	94.4	56	94.1	42	0.3	73	1,205.1	116.5
Cangild Resources Ltd	0.0%	94.3	57	-	74	94.3	31	280.3	94.3
Stonewater Resources Inc	0.0%	80.5	58	69.6	46	10.9	54	422.4	80.5
Owl River Resources Ltd	13.2%	79.8	59	79.8	45	-	75	438.2	91.9
Crazy Hill Resources Ltd	0.0%	79.5	60	-	74	79.5	33	761.3	79.5
Joli Fou Petroleums Ltd	27.3%	70.4	61	67.5	47	2.9	64	1,079.5	96.8
Derrick Petroleum Ltd	86.6%	67.4	62	-	74	67.4	36	1,338.9	501.2
Kaiser Exploration Ltd	0.0%	66.3	63	-	74	66.3	37	186.8	66.3
Ravenwood Energy Corp	99.8%	55.0	64	-	74.0	55.0	39.0	16,870.0	30,086.3
New North Resources Ltd	94.3%	53.5	65	39.1	49	14.4	49	1,540.0	944.6
Tamarack Valley Energy Ltd	99.3%	52.6	66	52.6	48	-	75	2,519.0	7,748.1
White Ram Resources Ltd	61.4%	51.1	67	-	74	51.1	41	428.3	132.2
Avatar Energy Ltd	87.4%	45.6	68	-	74	45.6	42	446.5	362.0
Calfax Energy Inc	94.0%	36.0	69	-	74	36.0	43	1,744.1	600.1

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Eclipse Resources Ltd.	99.5%	35.9	70	7.0	62	28.9	46	8,345.9	7,058.0
NEP Canada ULC	87.7%	35.9	70	2.9	66	33.0	44	3,678.7	290.9
Online Energy Inc.	76.2%	29.8	71	29.8	50	-	75	847.4	125.0
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp	43.4%	27.3	72	27.3	51	-	75	65.5	48.2
Signalta Resources Limited	99.0%	21.7	73	12.0	59	9.7	55	2,511.1	2,146.9
Anderson Energy Ltd.	99.7%	20.7	74	1.4	70	19.3	48	9,869.1	5,831.7
Blaze Energy Ltd.	99.9%	20.6	75	20.6	52	-	75	24,607.8	37,271.1
Pengrowth Energy Corporation	95.7%	18.3	76	18.3	53	-	75	286.8	422.2
Suncor Energy Oil and Gas Partnership	97.8%	16.9	77	16.9	55	-	75	2,419.5	768.5
Leddy Exploration Limited	87.7%	16.2	78	2.9	66	13.3	50	1,395.0	131.4
Harness Petroleum Inc.	86.1%	13.7	79	2.8	67	10.9	54	216.6	98.2
Yangarra Resources Corp.	87.4%	12.6	80	-	74	12.6	52	0.0	99.7
CNPC International (Canada) Ltd.	85.8%	12.5	81	12.5	58	-	75	973.5	87.9
Surge Energy Inc.	97.1%	10.1	82	10.1	60	-	75	99.0	349.9
Sinopec Daylight Energy Ltd.	0.0%	9.6	83	9.6	61	-	75	828.1	9.6
Rustler Petroleum Inc.	37.4%	8.7	84	-	74	8.7	57	24.5	13.9
MKE Canada Ltd.	90.7%	7.8	85	-	74	7.8	59	231.9	84.1
Base Resources Inc.	99.8%	7.4	86	-	74	7.4	60	658.6	4,400.1
Paramount Resources Ltd.	99.7%	7.4	86	-	74	7.4	60	2,618.4	2,173.4
Fairborne Energy Ltd.	99.9%	6.8	87	6.7	64	0.1	74	19,159.5	9,904.5
Petro Buyers Inc.	93.8%	6.8	87	6.8	63	-	75	1,301.6	109.2
Northern Hunter Energy Inc.	0.0%	6.6	88	-	74	6.6	61	126.2	6.6
385417 Alberta Ltd.	99.1%	4.2	89	-	74	4.2	63	2,716.8	457.3
Lockwood Resources Ltd.	0.0%	3.6	90	3.6	65	-	75	74.2	3.6
Brazeau NRG Ltd.	99.7%	2.7	91	2.7	68	-	75	546.1	914.4
Celtic Exploration Ltd.	99.3%	2.6	92	2.6	69	-	75	1,230.0	392.9
Crew Energy Inc.	100.0%	1.9	93	0.9	71	1.0	69	483.4	5,861.6
Chinook Energy Partnership	99.9%	1.8	94	-	74	1.8	66	10,545.1	2,348.7
Solara Exploration Ltd.	100.0%	1.6	95	-	74	1.6	67	12,843.0	7,237.7
ConocoPhillips Canada Resources Corp.	100.0%	1.5	96	-	74	1.5	68	5,442.7	8,127.7
KMD Resources Ltd.	98.5%	1.0	97	-	74	1.0	69	459.5	64.7
Murelle Enterprises Inc.	99.9%	0.8	98	-	74	0.8	70	179.8	947.2
Conocophillips Western Canada Partnership	99.9%	0.7	99	0.1	73	0.6	72	1,986.8	1,016.6
TimberRock Energy Corp.	98.1%	0.7	99	-	74	0.7	71	229.1	36.0
Petenco Resources Ltd.	40.0%	0.3	100	0.3	72	-	75	69.5	0.5

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Corex Resources Ltd.	0.0%	0.1	101	-	74	0.1	74	91.3	0.1
Shell Canada Energy	100.0%	0.1	101	0.1	73	-	75	2,045.0	3,831.6
Adanac Oil & Gas Limited	100.0%	-	102	-	74	-	75	2,096.8	995.0
Alpetro Resources Ltd.	100.0%	-	102	-	74	-	75	994.5	3,886.1
Arsenal Energy Inc.	100.0%	-	102	-	74	-	75	487.7	682.5
Beatton Energy Inc.	N/A	-	N/A	-	N/A	-	N/A	225.6	-
Bumper Development Corporation Ltd.	100.0%	-	102	-	74	-	75	228.1	3,117.3
Canadian Natural Resources Limited	100.0%	-	102	-	74	-	75	39,805.5	9,832.3
Centennial Petroleum Company Ltd.	100.0%	-	102	-	74	-	75	866.6	957.0
Crescent Point Energy Corp.	100.0%	-	102	-	74	-	75	685.0	904.5
Deethree Exploration Ltd.	100.0%	-	102	-	74	-	75	27,804.2	18,461.0
Elkwater Resources Ltd.	100.0%	-	102	-	74	-	75	179.0	509.1
EnCana Corporation	100.0%	-	102	-	74	-	75	2,905.6	5,287.7
Garnet Resources Ltd.	100.0%	-	102	-	74	-	75	497.6	568.9
Hunt Oil Company Of Canada, Inc.	100.0%	-	102	-	74	-	75	453.5	1,180.7
Ish Energy Ltd.	100.0%	-	102	-	74	-	75	176.1	527.0
Land Petroleum International Inc.	N/A	-	N/A	-	N/A	-	N/A	232.5	-
Manitok Energy Inc.	100.0%	-	102	-	74	-	75	34.1	278.2
Mosaic Energy Ltd.	100.0%	-	102	-	74	-	75	9,675.7	11,750.2
Mount Dakota Energy Corp.	100.0%	-	102	-	74	-	75	187.8	16.7
Navarone Energy Corporation	100.0%	-	102	-	74	-	75	619.0	656.2
Northern Patriot Oil & Gas Ltd.	100.0%	-	102	-	74	-	75	11,032.3	1,678.3
Omers Energy Inc.	100.0%	-	102	-	74	-	75	2,114.6	337.2
OneEx Operations Partnership	100.0%	-	102	-	74	-	75	3.7	1.7
Perpetual Energy Operating Corp.	100.0%	-	102	-	74	-	75	2,088.7	7,644.2
Petroglobe Inc.	100.0%	-	102	-	74	-	75	619.3	90.0
Phoenix Canada Upstream	100.0%	-	102	-	74	-	75	1,549.7	6,432.3
Primrose Drilling Ventures Ltd.	100.0%	-	102	-	74	-	75	135.3	66.5
Standard Resources Inc.	100.0%	-	102	-	74	-	75	6,373.5	781.5
Stetson Oil & Gas Ltd.	100.0%	-	102	-	74	-	75	57.2	139.9
Talisman Energy Inc.	100.0%	-	102	-	74	-	75	2,569.1	7,152.5
Trilogy Resources Ltd.	100.0%	-	102	-	74	-	75	482.8	1,245.5
Waldron Energy Corporation	100.0%	-	102	-	74	-	75	41.1	2.5
Westfire Energy Ltd.	100.0%	-	102	-	74	-	75	1,081.5	3,517.4
Zargon Oil & Gas Ltd.	100.0%	-	102	-	74	-	75	2,433.5	1,329.0
TOTALS FOR DRAYTON VALLEY	**96.2%**	**100,471.2**		**87,536.5**		**12,934.7**		**4,269,383.2**	**2,626,305.7**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Penn West Petroleum Ltd.	85.2%	10,118.5	1	9,540.7	1	577.8	3	223,969.4	68,293.6
Canadian Natural Resources Limited	98.4%	6,284.1	2	5,379.5	3	904.6	2	605,470.8	386,755.5
NAL Resources Limited	96.5%	5,980.0	3	5,918.8	2	61.2	26	101,385.6	168,457.9
TAQA North Ltd.	89.7%	3,060.1	4	2,601.4	5	458.7	5	32,424.9	29,747.9
ARC Resources Ltd.	98.7%	2,790.5	5	2,744.3	4	46.2	28	194,415.6	222,100.6
Guide Exploration Ltd.	97.1%	2,624.0	6	2,513.9	6	110.1	22	122,165.7	88,973.2
Surge Energy Inc.	96.2%	2,316.5	7	2,316.5	7	-	60	51,753.9	60,579.7
Baytex Energy Ltd.	94.1%	1,925.7	8	383.3	31	1,542.4	1	885,282.1	32,699.5
Bonavista Energy Corporation	97.9%	1,778.0	9	1,261.5	11	516.5	4	123,641.2	82,695.7
Conocophillips Canada Energy Partnership	79.2%	1,732.7	10	1,525.4	8	207.3	14	9,146.9	8,316.2
Devon Canada	98.7%	1,664.6	11	1,334.1	10	330.5	7	184,325.1	124,873.6
Crew Energy Inc.	11.9%	1,492.2	12	1,399.3	9	92.9	24	4,204.5	1,694.1
Husky Oil Operations Limited	99.3%	1,446.4	13	1,125.0	13	321.4	8	212,599.8	210,134.8
Bellamont Exploration Ltd.	97.5%	1,321.6	14	1,179.7	12	141.9	18	55,773.4	52,986.5
Argosy Energy Inc.	0.0%	879.5	15	879.5	14	-	60	1,412.3	879.5
Birchcliff Energy Ltd.	99.2%	841.8	16	531.8	21	310.0	9	197,299.0	99,638.7
Whitecap Resources Inc.	99.0%	838.0	17	826.8	15	11.2	44	90,318.7	81,941.8
Glenogle Energy Inc.	93.8%	741.3	18	741.3	16	-	60	23,733.1	11,878.8
Cequence Energy Ltd.	95.6%	731.3	19	673.2	18	58.1	27	8,452.4	16,642.3
Venturion Natural Resources Limited	93.6%	702.9	20	702.9	17	-	60	52,227.8	11,020.3
Trilogy Resources Ltd.	98.5%	655.5	21	524.8	22	130.7	20	87,883.8	42,361.6
Omers Energy Inc.	97.3%	617.3	22	617.3	19	-	60	14,622.5	22,554.8
Athabasca Oil Sands Corp.	65.9%	613.4	23	422.3	28	191.1	15	1,373.1	1,798.6
EOG Resources Canada Inc.	15.6%	561.9	24	429.6	27	132.3	19	2,830.8	666.1
Paramount Resources Ltd.	98.1%	561.0	25	555.9	20	5.1	46	15,363.5	29,534.3
Mosaic Energy Ltd.	97.6%	546.4	26	279.6	40	266.8	11	16,237.2	23,135.5
Sonde Resources Corp.	33.0%	521.4	27	69.0	60	452.4	6	2,480.9	778.6
Siphon Energy Corp.	24.9%	480.3	28	480.3	23	-	60	957.1	639.8
Apache Canada Ltd.	85.4%	473.7	29	447.7	25	26.0	34	48,136.4	3,234.4
Harvest Operations Corp.	97.7%	473.1	30	288.8	38	184.3	16	72,046.7	20,855.4
Flow-Back Oil & Gas Ltd.	0.0%	470.9	31	470.9	24	-	60	410.7	470.9
Seven Generations Energy Ltd.	97.0%	435.6	32	435.6	26	-	60	19,201.8	14,275.9
Crescent Point Energy Corp.	96.6%	415.6	33	415.6	29	-	60	26,027.2	12,322.9
Shell Canada Energy	98.3%	414.4	34	291.8	37	122.6	21	277,167.7	24,731.7
Iteration Energy	99.2%	401.8	35	363.0	34	38.8	31	58,197.9	47,657.5

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Shoreline Oil & Gas Ltd.	0.0%	386.6	36	386.6	30	-	60	1,611.0	386.6
Bernum Petroleum Ltd.	34.3%	381.3	37	374.1	32	7.2	45	18,967.1	580.5
Exshaw Oil Corp.	99.4%	368.7	38	368.7	33	-	60	67,757.2	59,997.1
Rife Resources Ltd.	98.5%	367.9	39	339.1	36	28.8	32	4,247.9	24,825.8
Ki Exploration Inc.	76.1%	346.9	40	344.0	35	2.9	50	2,114.9	1,453.1
Signalta Resources Limited	2.7%	311.8	41	32.4	67	279.4	10	2,375.3	320.4
Perpetual Energy Inc.	20.8%	284.9	42	284.9	39	-	60	417.0	359.9
Transaction Oil & Gas Ventures Inc.	0.0%	249.5	43	-	86	249.5	12	1,760.3	249.5
Charger Energy Corp.	91.4%	249.0	44	226.1	41	22.9	36	6,589.3	2,881.9
Bering Exploration, Company, Ulc.	0.0%	247.1	45	152.3	50	94.8	23	4,138.5	247.1
Daylight Energy Ltd.	99.3%	232.4	46	59.5	62	172.9	17	49,147.5	31,728.5
Twin Butte Energy Ltd.	99.4%	227.0	47	9.3	76	217.7	13	6,300.6	35,315.1
Caltex Energy Inc.	88.1%	223.8	48	223.8	42	-	60	4,347.4	1,882.2
1471002 Alberta Ltd.	0.0%	221.7	49	221.7	43	-	60	392.5	221.7
Progress Energy Ltd.	98.2%	220.8	50	130.2	54	90.6	25	15,474.8	12,481.6
Polar Star Canadian Oil And Gas, Inc.	97.0%	220.6	51	219.9	44	0.7	54	22,258.0	7,333.8
Enerplus Partnership	99.5%	208.2	52	187.5	48	20.7	37	55,036.0	41,155.0
Artek Exploration Ltd.	89.1%	205.2	53	202.4	46	2.8	51	2,320.3	1,879.1
Barnick Energy Inc.	99.7%	204.7	54	204.7	45	-	60	203,109.6	60,226.5
Barnwell of Canada, Limited	95.2%	195.8	55	195.8	47	-	60	6,140.7	4,035.1
Cinch Energy Corp.	50.9%	176.9	56	176.9	49	-	60	653.9	360.3
Ribbon Creek Resources Inc.	94.6%	175.7	57	147.4	51	28.3	33	4,317.0	3,263.6
Ditham Oil (2000) Inc.	0.0%	142.0	58	142.0	52	-	60	351.5	142.0
Dewpoint Resources Ltd.	0.0%	138.0	59	138.0	53	-	60	789.7	138.0
Tourmaline Oil Corp.	8.8%	119.7	60	119.7	55	-	60	276.6	131.2
Milestone Exploration Inc.	97.3%	109.3	61	109.3	56	-	60	2,964.2	4,046.9
Cumberland Oil & Gas Ltd.	19.8%	98.8	62	98.7	57	0.1	59	2,503.7	123.2
NuVista Energy Ltd.	98.8%	97.4	63	92.9	59	4.5	47	7,398.0	7,992.2
Longview Oil Corp.	99.1%	97.2	64	54.4	63	42.8	30	17,568.7	10,319.6
Ravenwood Energy Corp.	98.1%	93.3	65	93.3	58	-	60	5,283.4	4,857.1
Advantage Oil & Gas Ltd.	98.6%	72.9	66	60.0	61	12.9	43	8,886.3	5,019.8
Mancal Energy Inc.	0.0%	55.5	67	29.6	68	25.9	35	414.8	55.5
Unconventional Gas Resources Canada Operating	94.4%	51.9	68	8.5	77	43.4	29	886.4	924.1
Chinook Energy Partnership	30.0%	50.9	69	50.9	64	-	60	356.4	72.7
Equal Energy Ltd.	98.1%	43.2	70	43.2	65	-	60	12,232.9	2,306.5

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
ConocoPhillips Canada (BRC) Partnership	99.9%	33.8	71	20.3	71	13.5	42	48,872.4	27,206.0
Shoreline Acquisition Corp.	98.7%	33.1	72	33.1	66	-	60	1,058.4	2,475.7
Pace Oil & Gas Ltd.	99.7%	26.2	73	26.2	69	-	60	174,190.6	8,113.9
Radius Resources Corp.	0.0%	23.1	74	22.7	70	0.4	56	476.9	23.1
Clampett Energy Ltd.	88.7%	18.4	75	-	86	18.4	38	1,881.4	162.5
Expand Energy Corporation	0.0%	17.8	76	17.8	72	-	60	74.6	17.8
Glencoe Resources Ltd.	0.0%	15.7	77	-	86	15.7	39	690.4	15.7
Capio Exploration Ltd.	99.9%	15.0	78	14.0	73	1.0	53	6,545.4	10,798.1
Coastal Resources Limited	98.2%	13.8	79	-	86	13.8	40	1,414.8	785.2
Prosper Petroleum Ltd.	0.0%	13.7	80	-	86	13.7	41	9,004.8	13.7
Imperial Oil Resources	99.5%	13.1	81	12.8	74	0.3	57	27,429.8	2,468.6
Bay Trail Resources Ltd.	77.8%	11.9	82	11.9	75	-	60	379.4	53.5
Suncor Energy Oil and Gas Partnership	99.5%	6.6	83	6.6	78	-	60	762.2	1,297.3
Shoreline Energy Corp.	99.7%	4.7	84	4.7	79	-	60	1,893.5	1,348.0
Kaiser Exploration Ltd.	100.0%	4.3	85	4.3	80	-	60	12,180.1	15,860.0
Oban Energy Ltd.	99.8%	3.8	86	-	86	3.8	48	4,307.7	2,095.3
Reber Exploration Ltd.	0.0%	3.6	87	-	86	3.6	49	116.6	3.6
EnCana Corporation	100.0%	2.4	88	1.8	81	0.6	55	10,440.5	18,641.1
Terra Energy Corp.	99.8%	2.0	89	0.1	85	1.9	52	10,205.3	1,165.8
Ascent Energy Ltd.	99.6%	1.9	90	-	86	1.9	52	678.7	478.2
Delphi Energy Corp.	100.0%	1.9	90	-	86	1.9	52	59,924.2	27,416.4
Deethree Exploration Ltd.	99.9%	1.4	91	1.4	82	-	60	2,398.0	1,442.7
Fairborne Energy Ltd.	99.5%	0.5	92	0.5	83	-	60	482.0	106.8
Anglo Canadian Oil Corp.	0.0%	0.4	93	-	86	0.4	56	25.5	0.4
Sydco Energy Inc.	100.0%	0.3	94	0.2	84	0.1	59	25,245.0	4,167.2
Rimfire Energy Inc.	100.0%	0.2	95	-	86	0.2	58	2,273.5	932.4
RMP Energy Inc.	100.0%	0.2	95	-	86	0.2	58	28,778.7	22,843.2
Petrobakken Energy Ltd.	100.0%	0.1	96	0.1	85	-	60	1,150.3	4,963.2
Alpetro Resources Ltd.	100.0%	-	97	-	86	-	60	335.9	166.9
Canadian Coastal Resources Ltd.	100.0%	-	97	-	86	-	60	82.1	8.2
Canext Energy Ltd.	100.0%	-	97	-	86	-	60	2,488.5	284.2
Celtic Exploration Ltd.	N/A	-	N/A	-	N/A	-	N/A	5.1	-
Gear Energy Ltd.	100.0%	-	97	-	86	-	60	13.8	1.8
Hermes Financial Inc.	N/A	-	N/A	-	N/A	-	N/A	128.9	-
Hunt Oil Company Of Canada, Inc.	100.0%	-	97	-	86	-	60	5,878.9	1,260.6

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Insignia Energy Ltd.	100.0%	-	97	-	86	-	60	6,257.3	2,841.8
Luxor Oil And Gas Ltd.	N/A	-	N/A	-	N/A	-	N/A	33.7	-
Murphy Oil Company Ltd.	100.0%	-	97	-	86	-	60	35,628.7	126.4
Novus Energy Inc.	100.0%	-	97	-	86	-	60	2,137.9	1,814.0
Pengrowth Energy Corporation	100.0%	-	97	-	86	-	60	15,726.9	2,189.4
Peyto Exploration & Development Corp.	100.0%	-	97	-	86	-	60	766.5	1,309.6
Relentless Resources Ltd.	100.0%	-	97	-	86	-	60	138.7	2,633.7
Response Energy Corporation	100.0%	-	97	-	86	-	60	182.1	15.6
Revolution Resources Ltd.	100.0%	-	97	-	86	-	60	238.0	13.8
Summerfield Energy Inc.	100.0%	-	97	-	86	-	60	472.6	138.2
Surat Energy Inc.	100.0%	-	97	-	86	-	60	255.4	1,051.7
Sure Energy Inc.	100.0%	-	97	-	86	-	60	779.1	2,098.3
Texokcan Extreme General Partner Ltd.	100.0%	-	97	-	86	-	60	1,319.6	298.3
TriOil Resources Ltd.	100.0%	-	97	-	86	-	60	24,669.4	3,037.5
Velvet Energy Ltd.	100.0%	-	97	-	86	-	60	3,533.9	1,108.2
Westfire Energy Ltd.	100.0%	-	97	-	86	-	60	2,174.6	2,718.5
Williston Hunter Canada, Inc.	100.0%	-	97	-	86	-	60	18,082.8	1,518.9
Yoho Resources Inc.	100.0%	-	97	-	86	-	60	247.2	130.0
TOTALS FOR GRANDE PRAIRIE	**97.5%**	**64,058.5**		**55,377.4**		**8,681.1**		**4,916,777.2**	**2,512,302.4**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1]
HIGH LEVEL CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Apache Canada Ltd.	96.2%	4,112.0	1	4,111.6	1	0.4	9	115,528.7	107,183.9
Barrier Reef Resources Ltd.	0.0%	2,397.0	2	2,397.0	2	-	10	3,153.7	2,397.0
NuVista Energy Ltd.	55.8%	2,166.3	3	2,165.7	3	0.6	8	34,386.9	4,904.1
Pace Oil & Gas Ltd.	80.1%	1,378.3	4	1,365.3	4	13.0	4	30,687.4	6,917.5
Husky Oil Operations Limited	99.9%	1,246.7	5	1,244.7	5	2.0	7	451,063.5	1,000,561.8
Iteration Energy	83.0%	631.5	6	598.2	6	33.3	1	33,025.2	3,716.6
ARC Resources Ltd.	89.2%	557.2	7	553.3	7	3.9	5	33,261.4	5,133.9
Bearspaw Petroleum Ltd.	0.3%	543.8	8	543.8	8	-	10	9,703.0	545.4
EOG Resources Canada Inc.	29.5%	381.4	9	381.4	9	-	10	2,991.1	540.7
Arcan Resources Ltd.	94.9%	357.1	10	357.1	10	-	10	30,852.5	6,981.1
Imperial Oil Resources	98.9%	251.9	11	251.9	11	-	10	13,472.1	22,564.0
Canadian Natural Resources Limited	99.8%	103.5	12	89.9	12	13.6	3	24,347.8	61,068.2
BLZ Energy Ltd.	0.0%	39.6	13	39.6	13	-	10	328.6	39.6
Enerplus Partnership	99.9%	20.8	14	6.3	14	14.5	2	22,702.5	13,675.6
Welleco Ventures Ltd.	56.9%	7.5	15	4.2	15	3.3	6	322.5	17.4
Duel Energy Inc.	0.0%	3.0	16	3.0	16	-	10	165.0	3.0
Devon Canada	100.0%	-	17	-	17	-	10	5,063.6	9,736.2
Polar Star Canadian Oil And Gas, Inc.	100.0%	-	17	-	17	-	10	11,528.5	629.4
Steen River Oil & Gas Ltd.	100.0%	-	17	-	17	-	10	27,084.7	1,995.8
Surge Energy Inc.	100.0%	-	17	-	17	-	10	2,896.3	289.3
Winter Petroleum Ltd.	100.0%	-	17	-	17	-	10	217.7	123.1
TOTALS FOR HIGH LEVEL	**98.9%**	**14,197.6**		**14,113.0**		**84.6**		**852,782.7**	**1,249,003.6**

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Husky Oil Operations Limited	88.6%	6,981.7	1	5,484.6	1	1,497.1	1	436,925.9	61,433.7
Penn West Petroleum Ltd.	90.0%	4,860.2	2	4,655.2	2	205.0	7	277,572.1	48,597.1
Harvest Operations Corp.	79.7%	3,960.4	3	3,932.9	3	27.5	22	175,907.1	19,472.6
Crew Energy Inc.	96.2%	3,593.6	4	3,593.6	4	-	50	295,685.2	95,405.1
AvenEx Energy Corp.	38.5%	2,630.6	5	2,606.1	5	24.5	24	31,575.1	4,278.6
Canadian Natural Resources Limited	96.5%	2,529.5	6	2,366.4	6	163.1	9	460,901.5	71,721.0
Cenovus Energy Inc.	97.4%	2,260.5	7	1,598.5	8	662.0	3	887,028.7	86,252.7
Murphy Oil Company Ltd.	0.0%	1,751.6	8	1,749.9	7	1.7	39	1,559.2	1,751.6
Zargon Oil & Gas Ltd.	58.4%	1,330.6	9	1,330.5	9	0.1	49	57,456.3	3,197.5
ARC Resources Ltd.	48.6%	1,286.6	10	1,282.1	10	4.5	35	42,626.5	2,502.3
Enerplus Partnership	98.4%	1,059.0	11	869.5	11	189.5	8	341,255.1	64,378.2
Pace Oil & Gas Ltd.	90.3%	852.3	12	831.9	12	20.4	25	16,222.6	8,750.7
Iteration Energy	71.9%	811.4	13	810.4	13	1.0	43	33,573.0	2,883.0
Shell Canada Energy	0.0%	793.5	14	793.5	14	-	50	2,975.9	793.5
Conocophillips Canada Energy Partnership	96.2%	786.2	15	118.9	28	667.3	2	56,803.2	20,916.4
EOG Resources Canada Inc.	81.3%	741.9	16	705.9	15	36.0	20	3,819.4	3,960.2
Alberta Petroleum Energy Limited	1.8%	656.2	17	108.9	29	547.3	4	3,442.4	668.2
Pengrowth Energy Corporation	98.0%	587.4	18	453.5	17	133.9	11	201,466.1	28,799.9
Connaught Oil & Gas Ltd.	0.0%	503.9	19	503.9	16	-	50	2,727.8	503.9
Signalta Resources Limited	89.1%	338.4	20	338.4	18	-	50	3,807.3	3,109.6
Twin Butte Energy Ltd.	88.3%	331.5	21	303.5	21	28.0	21	12,579.9	2,838.2
Compass Petroleum Inc.	88.6%	322.5	22	309.9	20	12.6	29	10,986.3	2,827.5
Petro Viking Management Corp.	9.6%	318.8	23	318.8	19	-	50	792.9	352.8
Sword Energy Inc.	95.6%	318.4	24	11.3	53	307.1	5	29,089.8	7,209.0
Bonavista Energy Corporation	97.5%	282.7	25	76.5	33	206.2	6	115,604.0	11,429.8
TAQA North Ltd.	96.7%	257.0	26	256.2	22	0.8	44	80,113.2	7,873.2
Novus Energy Inc.	43.9%	255.8	27	255.8	23	-	50	787.2	456.0
Trafina Energy Ltd.	59.4%	209.3	28	209.3	24	-	50	977.3	516.0
Wild Stream Exploration Inc.	85.3%	202.6	29	51.8	40	150.8	10	14,089.9	1,379.9
Celtic Exploration Ltd.	96.5%	173.1	30	132.9	26	40.2	17	20,203.1	4,908.4
Contour Energy Ltd.	82.6%	171.2	31	97.4	31	73.8	13	4,156.5	983.8
Surge Energy Inc.	32.4%	164.5	32	157.6	25	6.9	31	6,176.0	243.4
Canadian Coyote Energy Ltd.	20.0%	125.8	33	124.7	27	1.1	42	2,020.4	157.2
Sonde Resources Corp.	96.3%	114.3	34	56.5	37	57.8	14	4,299.4	3,116.5
Ashton Oil & Gas Ltd.	72.0%	108.4	35	108.4	30	-	50	6,436.8	387.5

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Conserve Oil & Gas No. II Corporation	2.9%	92.3	36	41.9	43	50.4	15	2,960.0	95.1
Conserve Oil 6th Corporation	88.4%	88.6	37	88.6	32	-	50	3,091.3	762.5
Sanford Petroleum Ltd.	0.0%	87.3	38	-	60	87.3	12	3,331.5	87.3
United Hunter Oil & Gas Corp.	48.3%	73.7	39	73.7	34	-	50	754.5	142.5
Equal Energy Ltd.	99.2%	63.0	40	63.0	35	-	50	11,991.5	7,496.7
Legacy Oil + Gas Inc.	0.0%	59.2	41	59.2	36	-	50	381.6	59.2
Standard Exploration Ltd.	41.5%	53.7	42	53.7	38	-	50	3,273.9	91.8
Crescent Point Energy Corp.	90.1%	52.0	43	52.0	39	-	50	2,202.9	526.3
Deethree Exploration Ltd.	97.2%	46.8	44	46.8	41	-	50	5,164.1	1,665.9
TORC Oil & Gas Ltd.	0.0%	45.7	45	45.4	42	0.3	47	1,177.4	45.7
ConocoPhillips Canada Resources Corp.	99.2%	45.6	46	-	60	45.6	16	10,414.0	5,496.4
Tykewest Limited	80.4%	44.9	47	32.0	44	12.9	28	3,027.8	229.6
Ki Exploration Inc.	0.0%	38.1	48	-	60	38.1	18	643.5	38.1
Arrow Point Oil & Gas Ltd.	0.0%	37.6	49	-	60	37.6	19	1,092.4	17.6
Conserve Oil 1st Corporation	85.2%	37.3	50	10.2	54	27.1	23	2,730.4	252.2
Corex Resources Ltd.	99.0%	29.8	51	29.8	45	-	50	6,533.7	3,066.2
935821 Alberta Ltd.	0.0%	25.0	52	22.0	48	3.0	37	1,256.5	25.0
Base Resources Inc.	0.8%	24.0	53	24.0	46	-	50	60.6	24.2
Edge Resources Inc.	90.6%	22.7	54	22.7	47	-	50	5,678.8	240.3
Varenna Energy Ltd.	45.4%	20.0	55	20.0	49	-	50	1,263.1	36.6
Direct Energy Marketing Limited	99.7%	19.5	56	10.1	55	9.4	30	9,971.4	6,839.3
Arsenal Energy Inc.	98.6%	18.8	57	18.8	50	-	50	2,322.0	1,295.2
Indra Oil & Gas Ltd.	0.0%	18.8	57	-	60	18.8	26	564.9	18.8
Mosaic Energy Ltd.	95.2%	18.8	57	18.8	50	-	50	1,934.1	388.5
Baytex Energy Ltd.	99.5%	18.4	58	18.4	51	-	50	10,502.1	3,748.3
Ridal Resource Ltd.	0.0%	15.9	59	-	60	15.9	27	200.2	15.9
Marquee Petroleum Ltd.	88.2%	14.8	60	14.8	52	-	50	592.3	124.9
Petroglobe Inc.	8.3%	11.0	61	5.5	57	5.5	33	338.5	12.0
NAL Resources Limited	99.0%	7.5	62	2.4	59	5.1	34	5,651.4	783.3
Berry Creek Resources Inc.	90.8%	7.0	63	7.0	56	-	50	30.1	76.4
Reid Resources Ltd.	57.2%	6.2	64	-	60	6.2	32	1,069.8	14.5
Paramount Resources Ltd.	99.9%	5.0	65	5.0	58	-	50	18,578.6	6,526.8
Exall Energy Corporation	0.0%	4.5	66	-	60	4.5	35	409.0	4.5
Edalis Energy Inc.	0.0%	4.3	67	-	60	4.3	36	1,002.3	4.3
Band Energy Resources Ltd.	70.0%	2.7	68	-	60	2.7	38	189.9	9.0

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Enerstar Petroleum Corp.	90.3%	1.5	69	-	60	1.5	40	420.8	15.4
Anterra Energy Inc.	97.4%	1.2	70	-	60	1.2	41	2,077.2	46.7
Wrangler West Energy Corp.	99.5%	1.1	71	-	60	1.1	42	2,496.3	235.5
Ascent Energy Ltd.	96.9%	1.0	72	-	60	1.0	43	251.9	31.7
Invicta Energy Corp.	99.9%	0.7	73	-	60	0.7	45	599.9	591.9
Palliser Oil & Gas Corporation	0.0%	0.5	74	-	60	0.5	46	402.6	0.5
Strategic Oil & Gas Ltd.	99.9%	0.5	74	-	60	0.5	46	8,214.0	749.3
Fairwest Energy Corporation	100.0%	0.3	75	-	60	0.3	47	2,868.4	2,000.4
Northern Hunter Energy Inc.	100.0%	0.2	76	-	60	0.2	48	1,318.3	441.0
NuVista Energy Ltd.	99.9%	0.2	76	-	60	0.2	48	2,024.1	193.3
Petrobakken Energy Ltd.	100.0%	0.1	77	-	60	0.1	49	5,370.2	700.9
Raimount Energy Inc.	0.0%	0.1	77	-	60	0.1	49	55.4	0.1
1288131 Alberta Ltd.	100.0%	-	78	-	60	-	50	829.4	389.1
1350139 Alberta Ltd.	N/A	-	N/A	-	N/A	-	N/A	44.2	-
Avalon Energy Ltd.	100.0%	-	78	-	60	-	50	974.6	83.1
B&G Energy Ltd.	N/A	-	N/A	-	N/A	-	N/A	0.6	-
BNP Resources Inc.	100.0%	-	78	-	60	-	50	238.2	182.0
Broadview Energy Ltd.	N/A	-	N/A	-	N/A	-	N/A	3.7	-
Coastal Resources Limited	100.0%	-	78	-	60	-	50	145.1	259.4
Eiger Energy Ltd.	100.0%	-	78	-	60	-	50	5,574.4	106.1
Exoro Energy Inc.	100.0%	-	78	-	60	-	50	335.9	204.4
Frontier Energy Inc.	N/A	-	N/A	-	N/A	-	N/A	62.7	-
Gryphon Petroleum Corp.	100.0%	-	78	-	60	-	50	3,595.4	484.1
Hemisphere Energy Corporation	100.0%	-	78	-	60	-	50	3,742.6	54.9
International Frontier Resources Corporation	100.0%	-	78	-	60	-	50	2,147.7	75.1
Lockwood Resources Ltd.	N/A	-	N/A	-	N/A	-	N/A	18.1	-
Petrospirit Resources Ltd.	N/A	-	N/A	-	N/A	-	N/A	28.0	-
Silver Bay Resources Ltd.	100.0%	-	78	-	60	-	50	246.5	374.3
Solara Exploration Ltd.	100.0%	-	78	-	60	-	50	28.7	165.9
Success Resources Ltd.	N/A	-	N/A	-	N/A	-	N/A	11.0	-
Westdrum Energy Ltd.	100.0%	-	78	-	60	-	50	8.6	41.3
TOTALS FOR MEDICINE HAT	**93.1%**	**42,839.3**		**37,391.0**		**5,448.3**		**3,805,163.7**	**621,742.3**

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Petrobakken Energy Ltd.	72.1%	7,912.9	1	7,872.9	1	40.0	29	59,761.4	28,320.1
Equal Energy Ltd.	12.9%	5,591.0	2	5,513.8	2	77.2	19	19,292.5	6,418.8
NAL Resources Limited	96.7%	2,581.9	3	2,505.1	3	76.8	20	82,888.7	78,446.0
Tamarack Valley Energy Ltd.	38.0%	2,425.7	4	2,425.7	4	-	56	12,277.8	3,912.9
Pace Oil & Gas Ltd.	91.2%	2,162.4	5	1,959.4	7	203.0	5	59,741.3	24,573.4
TriOil Resources Ltd.	79.3%	2,005.4	6	1,977.2	5	28.2	31	10,562.6	9,687.6
Bearspaw Petroleum Ltd.	27.7%	1,967.1	7	1,967.1	6	-	56	12,297.8	2,719.4
Husky Oil Operations Limited	98.9%	1,064.4	8	946.7	8	117.7	14	77,691.5	100,426.3
Bonavista Energy Corporation	92.2%	979.8	9	587.2	11	392.6	2	65,471.7	12,491.1
Veredus Resources Ltd.	3.0%	887.0	10	859.4	9	27.6	33	4,848.2	914.6
Argosy Energy Inc.	42.7%	664.9	11	620.4	10	44.5	26	3,574.6	1,160.8
Surge Energy Inc.	80.8%	635.9	12	501.7	12	134.2	9	8,143.6	3,313.8
Drumlin Energy Corp.	68.5%	564.7	13	-	56	564.7	1	18,241.5	1,760.3
Traverse Energy Ltd.	81.4%	533.7	14	468.3	13	65.4	23	6,007.8	2,872.7
Penn West Petroleum Ltd.	96.8%	499.9	15	320.9	17	179.0	6	45,188.2	15,546.3
Compton Petroleum Corporation	96.6%	473.5	16	368.2	16	105.3	15	18,935.3	13,968.8
Cenovus Energy Inc.	99.6%	443.2	17	383.7	14	59.5	24	232,310.4	111,207.5
Conserve Oil Corporation	0.0%	379.5	18	379.5	15	-	56	2,399.4	379.5
Conocophillips Canada Energy Partnership	97.8%	376.3	19	257.9	19	118.4	13	17,163.9	17,354.8
Terrex Energy Inc.	77.5%	287.5	20	255.8	20	31.7	30	4,029.9	1,277.4
Wolf Coulee Resources Inc.	97.7%	276.8	21	276.8	18	-	56	14,446.6	12,231.4
Zargon Oil & Gas Ltd.	94.5%	262.7	22	237.6	22	25.1	35	23,810.0	4,776.4
Murphy Oil Company Ltd.	0.0%	248.5	23	248.5	21	-	56	856.1	248.5
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp.	95.5%	234.6	24	27.9	43	206.7	4	33,059.4	5,229.1
Sutton Energy Ltd.	0.0%	228.6	25	228.6	23	-	56	117.9	228.6
Signalta Resources Limited	63.3%	218.6	26	-	56	218.6	3	2,109.9	596.1
AltaGas Ltd.	91.7%	217.0	27	217.0	24	-	56	2,142.7	2,588.8
Canadian Natural Resources Limited	99.4%	211.5	28	71.2	34	140.3	8	153,383.6	37,877.3
Legacy Oil + Gas Inc.	99.4%	198.3	29	21.4	44	176.9	7	128,006.0	30,439.1
Crescent Point Energy Corp.	97.9%	182.6	30	182.5	25	0.1	55	23,171.0	8,554.6
Pengrowth Energy Corporation	94.9%	180.6	31	96.2	29	84.4	17	21,239.4	3,560.6
Bay Trail Resources Ltd.	26.8%	176.1	32	176.0	26	0.1	55	1,870.7	240.7
Harvest Operations Corp.	99.6%	174.1	33	119.3	28	54.8	25	53,086.6	39,384.6
Sphere Energy Corp.	43.8%	145.6	34	14.8	48	130.8	11	2,715.6	259.0
Apache Canada Ltd.	88.1%	132.4	35	-	56	132.4	10	1,382.2	1,115.8

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Indra Oil & Gas Ltd.	0.0%	130.4	36	130.4	27	-	56	451.5	130.4
ARC Resources Ltd.	94.9%	127.5	37	-	56	127.5	12	7,297.8	2,520.2
Advantage Oil & Gas Ltd.	98.4%	100.9	38	-	56	100.9	16	2,659.2	6,418.1
AvenEx Energy Corp.	63.2%	98.8	39	87.0	31	11.8	43	1,449.9	268.5
Sonde Resources Corp.	98.7%	95.0	40	95.0	30	-	56	14,309.3	7,468.5
Concerto Resources Ltd.	40.1%	91.1	41	50.4	38	40.7	28	504.7	152.0
NEO Exploration Inc.	50.5%	90.3	42	77.3	32	13.0	41	3,608.8	182.5
Shanpet Resources Ltd.	0.0%	83.7	43	-	56	83.7	18	1,910.2	83.7
Nexen Inc.	0.0%	73.3	44	73.3	33	-	56	664.9	73.3
Triaxon Oil Operations Ltd.	0.0%	69.6	45	-	56	69.6	21	480.9	69.6
EOG Resources Canada Inc.	98.1%	69.1	46	45.1	40	24.0	37	2,756.6	3,619.8
Ridal Resource Ltd.	0.0%	67.6	47	-	56	67.6	22	1,881.0	67.6
Cowboy Exploration Ltd.	0.0%	59.9	48	59.9	35	-	56	114.2	59.9
Coastal Resources Limited	93.5%	56.8	49	53.8	36	3.0	49	1,138.4	871.2
Paramount Resources Ltd.	0.0%	52.3	50	52.3	37	-	56	189.2	52.3
Hunt Oil Company Of Canada, Inc.	96.6%	45.5	51	45.5	39	-	56	2,200.0	1,351.1
EnCana Corporation	99.9%	44.5	52	19.7	46	24.8	36	69,661.2	50,898.2
ConocoPhillips Canada (BRC) Partnership	98.2%	41.3	53	-	56	41.3	27	5,312.0	2,293.9
Ventunion Natural Resources Limited	99.2%	35.5	54	29.2	42	6.3	44	16,999.6	4,177.5
Baytex Energy Ltd.	99.2%	34.1	55	34.1	41	-	56	13,889.0	4,182.0
Hard Rock Resources Ltd.	80.4%	27.9	56	-	56	27.9	32	774.8	142.6
545279 Alberta Limited	0.0%	26.2	57	-	56	26.2	34	199.4	26.2
Mika Resources Ltd.	97.4%	22.0	58	20.0	45	2.0	51	209.1	851.7
TORC Oil & Gas Ltd.	0.0%	18.0	59	18.0	47	-	56	349.3	18.0
Bowood Energy Ltd.	99.7%	17.3	60	-	56	17.3	38	9,999.9	4,987.7
Contour Energy Ltd.	78.0%	15.7	61	-	56	15.7	39	183.4	71.3
TAQA North Ltd.	100.0%	15.3	62	-	56	15.3	40	30,144.9	50,708.1
Barrick Energy Inc.	99.3%	13.3	63	8.2	50	5.1	46	8,031.9	2,025.8
Tandem Energy Corporation	99.5%	12.4	64	-	56	12.4	42	1,926.0	2,435.4
Rise Resources Corp.	0.0%	10.8	65	10.8	49	-	56	742.8	10.8
Edalis Energy Inc.	99.4%	6.2	66	6.2	51	-	56	2,932.8	1,000.8
Second Wave Petroleum Inc.	0.0%	5.5	67	0.3	55	5.2	45	581.6	5.5
Milestone Exploration Inc.	99.3%	5.0	68	5.0	52	-	56	7,252.8	713.2
Angle Energy Inc.	99.9%	4.3	69	-	56	4.3	47	394.2	6,856.6
Wilcox Energy Corp.	0.0%	4.2	70	4.2	53	-	56	76.8	4.2

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Jaco Energy Limited	87.6%	3.6	71	-	56	3.6	48	306.6	29.1
Firenze Energy Ltd.	99.6%	2.1	72	-	56	2.1	50	4,653.6	523.5
Foundation Resources Gp Corporation	0.0%	1.2	73	-	56	1.2	52	110.2	1.2
Thoroughbred Energy Ltd.	99.8%	0.8	74	-	56	0.8	53	3,425.6	389.9
Flagstone Energy Inc.	66.7%	0.5	75	0.5	54	-	56	499.6	1.5
Petro Buyers Inc.	0.0%	0.3	76	-	56	0.3	54	8.6	0.3
TimberRock Energy Corp.	94.7%	0.1	77	-	56	0.1	55	34.2	1.9
Ashton Oil & Gas Ltd.	100.0%	-	78	-	56	-	56	20,004.5	7,315.1
Avatar Energy Ltd.	100.0%	-	78	-	56	-	56	133.0	108.8
Caltex Energy Inc.	100.0%	-	78	-	56	-	56	698.8	1,035.2
Conocophillips Western Canada Partnership	100.0%	-	78	-	56	-	56	209.6	711.6
Devon Canada	100.0%	-	78	-	56	-	56	16,261.7	7,306.1
Direct Energy Marketing Limited	100.0%	-	78	-	56	-	56	391.7	189.0
Exoro Energy Inc.	100.0%	-	78	-	56	-	56	14.4	33.7
Fairwest Energy Corporation	100.0%	-	78	-	56	-	56	940.5	317.5
Ki Exploration Inc.	100.0%	-	78	-	56	-	56	1,059.7	4,412.8
Lone Pine Resources Canada Ltd.	100.0%	-	78	-	56	-	56	3,830.1	8,067.2
Petro Viking Management Corp.	N/A	-	N/A	-	N/A	-	N/A	144.7	-
Rustler Petroleum Inc.	100.0%	-	78	-	56	-	56	17.6	10.4
Silver Blaze Energy Ltd.	100.0%	-	78	-	56	-	56	337.4	124.9
Sirius Energy Inc.	100.0%	-	78	-	56	-	56	34.5	13.0
The Locke Stock & Barrel Company Ltd.	N/A	-	N/A	-	N/A	-	N/A	416.8	-
Westdrum Energy Ltd.	100.0%	-	78	-	56	-	56	244.6	186.9
Williston Hunter Canada, Inc.	100.0%	-	78	-	56	-	56	647.8	200.2
TOTALS FOR MIDNAPORE	**95.2%**	**37,194.6**		**33,014.9**		**4,179.7**		**1,488,618.5**	**770,079.4**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Bonavista Energy Corporation	97.5%	3,516.0	1	2,123.4	3	1,392.6	2	141,737.8	139,828.4
Midway Energy Ltd.	99.2%	3,379.7	2	2,872.5	2	507.2	7	132,293.9	70,382.7
Petrobakken Energy Ltd.	0.0%	2,922.6	3	2,922.6	1	-	73	14,761.5	2,922.6
Glencoe Resources Ltd.	98.8%	2,435.8	4	-	71	2,435.8	1	59,303.8	200,279.8
NAL Resources Limited	99.3%	1,676.7	5	1,138.0	5	538.7	5	320,672.5	254,081.6
Devon Canada	98.8%	1,611.1	6	1,019.4	8	591.7	4	138,768.3	137,187.1
Bellatrix Exploration Ltd.	97.8%	1,261.3	7	1,261.3	4	-	73	50,021.3	57,761.9
Anderson Energy Ltd.	95.3%	1,223.4	8	1,084.1	6	139.3	11	89,596.5	25,896.3
Yangarra Resources Corp.	95.4%	1,096.9	9	1,062.6	7	34.3	41	17,909.4	24,030.7
Husky Oil Operations Limited	98.7%	1,088.2	10	296.0	26	792.2	3	49,708.8	83,531.1
Penn West Petroleum Ltd.	99.7%	991.6	11	712.7	11	278.9	8	318,178.3	291,642.6
Angle Energy Inc.	98.8%	912.4	12	380.5	19	531.9	6	40,121.4	73,206.0
Pengrowth Energy Corporation	99.2%	774.5	13	729.1	9	45.4	32	87,850.8	102,052.1
Conocophillips Western Canada Partnership	99.6%	728.4	14	665.4	12	63.0	24	163,632.7	176,306.9
TimberRock Energy Corp.	8.6%	718.3	15	716.7	10	1.6	64	1,402.4	785.7
Exoro Energy Inc.	51.6%	574.9	16	574.9	13	-	73	7,765.1	1,188.2
Fairborne Energy Ltd.	94.1%	567.2	17	567.2	14	-	73	38,851.6	9,564.5
Whitecap Resources Inc.	85.5%	493.0	18	493.0	15	-	73	14,229.5	3,402.1
Scollard Energy Inc.	99.0%	480.9	19	413.0	18	67.9	22	19,780.8	49,001.6
Central Global Resources, ULC	94.4%	473.5	20	342.3	24	131.2	13	10,102.7	8,492.6
TAQA North Ltd.	99.7%	457.9	21	369.6	22	88.3	17	168,998.0	152,706.0
Bearspaw Petroleum Ltd.	94.7%	428.4	22	428.4	16	-	73	46,764.9	8,015.5
Crew Energy Inc.	7.8%	419.5	23	419.5	17	-	73	1,390.4	454.9
Hyperion Exploration Corp.	65.5%	407.7	24	376.4	20	31.3	43	5,207.7	1,180.3
Bonterra Energy Corp.	98.3%	371.4	25	370.2	21	1.2	65	17,406.7	21,690.8
Tamarack Valley Energy Ltd.	64.1%	350.6	26	350.6	23	-	73	3,901.9	976.5
Tournament Exploration Ltd.	98.1%	342.2	27	209.0	35	133.2	12	22,541.1	18,434.5
EOG Resources Canada Inc.	99.1%	331.9	28	278.5	27	53.4	28	38,323.5	37,919.8
Marquee Energy Ltd.	98.7%	324.1	29	324.1	25	-	73	5,384.0	25,480.6
Superman Resources Inc.	93.1%	309.7	30	252.6	30	57.1	27	12,197.3	4,495.9
Apache Canada Ltd.	99.8%	307.4	31	50.5	50	256.9	9	39,519.4	147,769.5
Signalta Resources Limited	85.7%	287.3	32	216.8	33	70.5	20	7,814.6	2,008.5
Harvest Operations Corp.	99.6%	279.8	33	267.9	28	11.9	47	110,933.1	64,541.3
Barrick Energy Inc.	60.0%	278.6	34	231.5	32	47.1	31	3,738.2	696.9
Triaxon Oil Operations Ltd.	92.7%	275.7	35	211.4	34	64.3	23	31,349.3	3,759.0

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[2] N/A: Not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Suncor Energy Oil and Gas Partnership	99.4%	257.3	36	256.1	29	1.2	65	116,047.6	41,452.7
Horne Quarter Resources Ltd.	76.8%	243.1	37	241.5	31	1.6	64	1,192.2	1,047.9
Longview Oil Corp.	99.4%	213.9	38	1.4	67	212.5	10	29,803.0	33,677.0
Wolf Coulee Resources Inc.	3.5%	205.2	39	189.6	36	15.6	45	1,079.8	212.6
Advantage Oil & Gas Ltd.	99.6%	196.3	40	87.8	44	108.5	15	31,605.7	44,564.3
Alexander Oilfield Services Ltd.	68.2%	185.0	41	185.0	37	-	73	1,410.0	582.0
Conocophillips Canada Energy Partnership	99.5%	181.6	42	101.7	43	79.9	18	52,233.2	37,481.7
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp.	99.6%	168.5	43	131.7	39	36.8	39	40,864.4	42,944.8
Fogo Energy Corp.	7.9%	156.5	44	156.5	38	-	73	1,751.0	169.9
Conserve Oil Corporation	98.3%	127.6	45	127.0	40	0.6	68	19,261.4	7,284.8
Hard Rock Resources Ltd.	74.6%	122.0	46	-	71	122.0	14	1,369.7	479.7
Baytex Energy Ltd.	83.6%	120.4	47	120.4	41	-	73	4,255.0	732.9
Chinook Energy Partnership	99.7%	119.2	48	44.7	52	74.5	19	9,186.4	36,646.0
South Bay Resources Canada, ULC	24.0%	114.0	49	109.6	42	4.4	56	3,466.4	149.9
Plains Midstream Canada ULC	N/A	0.0	N/A	-	N/A	-	N/A	-	-
Canadian Natural Resources Limited	98.9%	108.5	51	76.2	48	32.3	42	15,683.6	9,764.0
Clearbrook Resources Inc.	11.0%	94.9	52	-	71	94.9	16	2,673.2	106.6
Navarone Energy Corporation	94.0%	85.9	53	85.9	45	-	73	5,369.3	1,434.0
Direct Energy Marketing Limited	98.4%	84.6	54	77.3	47	7.3	54	7,574.7	5,265.0
Celtic Exploration Ltd.	71.0%	83.7	55	82.6	46	1.1	66	327.7	288.1
AvenEx Energy Corp.	94.4%	71.4	56	2.0	66	69.4	21	776.1	1,276.6
Baccalieu Energy Inc.	99.2%	65.1	57	14.5	63	50.6	30	9,750.3	8,392.0
Connacher Oil And Gas Limited	98.5%	60.1	58	-	71	60.1	25	10,809.6	3,952.4
Mato Inc.	95.6%	57.6	59	-	71	57.6	26	596.0	1,294.1
Waldron Energy Corporation	99.4%	55.7	60	17.1	60	38.6	37	9,230.1	9,791.0
Golden Spike Energy Inc.	20.0%	53.3	61	-	71	53.3	29	484.6	66.6
Vero Energy Inc.	0.0%	51.7	62	51.7	49	-	73	225.3	51.7
Canadian Abraxas Petroleum, ULC	97.9%	50.8	63	25.8	57	25.0	44	2,569.7	2,385.0
Daylight Energy Ltd.	98.3%	45.8	64	42.3	53	3.5	59	1,338.9	2,674.2
South Ridge Management Ltd.	0.0%	45.8	64	45.8	51	-	73	291.9	45.8
Garnet Resources Ltd.	77.7%	44.6	65	-	71	44.6	33	693.0	199.7
Quatro Resources Inc.	98.5%	44.3	66	-	71	44.3	34	5,334.7	2,963.5
Vermilion Resources Ltd.	97.9%	41.5	67	-	71	41.5	35	1,830.2	1,943.6
Summerland Energy Inc.	97.0%	40.8	68	29.3	54	11.5	48	4,459.3	1,350.0
Sogar Resources Ltd.	98.2%	39.5	69	-	71	39.5	36	1,837.7	2,195.6

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[2] N/A: Not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Gold Ridge Investments Corporation	0.0%	38.5	70	-	71	38.5	38	187.2	38.5
Bumper Development Corporation Ltd.	98.1%	35.3	71	-	71	35.3	40	2,259.5	1,810.7
Enerplus Partnership	99.2%	34.7	72	26.1	56	8.6	53	4,297.3	4,101.9
NEO Exploration Inc.	54.4%	27.7	73	15.3	62	12.4	46	1,193.7	60.8
Milestone Exploration Inc.	99.2%	26.5	74	26.5	55	-	73	2,880.8	3,246.6
Imperial Oil Resources	99.9%	24.8	75	21.0	58	3.8	58	60,411.1	36,805.5
Crescent Point Energy Corp.	99.7%	18.7	76	18.7	59	-	73	13,368.4	6,100.8
ConocoPhillips Canada (BRC) Partnership	100.0%	16.9	77	16.4	61	0.5	69	17,831.3	35,939.1
Arsenal Energy Inc.	97.9%	11.0	78	-	71	11.0	49	511.6	532.7
Tykewest Limited	91.6%	10.8	79	-	71	10.8	50	668.7	128.7
Shanpet Resources Ltd.	96.4%	10.0	80	-	71	10.0	51	252.0	277.0
Milen's Oilfield Enterprises Ltd.	99.7%	9.6	81	-	71	9.6	52	166.5	2,919.1
Regent Resources Ltd.	97.9%	5.7	82	-	71	5.7	55	371.6	271.8
EnCana Corporation	98.9%	4.1	83	-	71	4.1	57	1,444.5	360.7
Coastal Resources Limited	90.6%	3.4	84	3.4	64	-	73	562.3	36.0
Seven Energy (Canada) Inc.	99.0%	3.4	84	-	71	3.4	60	222.3	323.8
Sword Energy Inc.	99.9%	2.6	85	-	71	2.6	61	9,077.5	3,157.8
KinMerc Oil & Gas Inc.	0.0%	2.4	86	2.4	65	-	73	308.8	2.4
Camino Industries Inc.	99.5%	2.2	87	-	71	2.2	62	291.2	459.3
Sonde Resources Corp.	100.0%	1.8	88	0.1	70	1.7	63	1,620.6	3,276.1
Tri-Ment Corporation Ltd.	34.6%	1.7	89	-	71	1.7	63	16.3	2.6
Paramount Resources Ltd.	100.0%	1.2	90	1.2	68	-	73	4,187.9	7,332.3
Forent Energy Ltd.	0.0%	0.8	91	-	71	0.8	67	86.6	0.8
Prospex Resources Ltd.	100.0%	0.6	92	0.3	69	0.3	70	275.7	3,675.4
Cutpick Energy Inc.	99.8%	0.3	93	-	71	0.3	70	3,629.6	146.9
Sifton Energy Inc.	99.5%	0.3	93	-	71	0.3	70	20.1	61.3
Crocotta Energy Inc.	66.7%	0.2	94	-	71	0.2	71	10.9	0.6
Petro Uno Resources Ltd.	99.8%	0.2	94	-	71	0.2	71	206.3	108.9
Wild Stream Exploration Inc.	100.0%	0.2	94	-	71	0.2	71	8,357.4	7,837.4
Jayhawk Resources Ltd.	0.0%	0.1	95	-	71	0.1	72	69.7	0.1
Terra Energy Corp.	99.8%	0.1	95	0.1	70	-	73	492.8	59.6
981384 Alberta Ltd.	100.0%	0.0	96	-	71	-	73	60.6	123.6
AltaGas Ltd.	100.0%	0.0	96	-	71	-	73	74.3	481.3
ARC Resources Ltd.	100.0%	0.0	96	-	71	-	73	10,960.0	13,436.1
Artemis Exploration Inc.	100.0%	0.0	96	-	71	-	73	1,654.0	48.9

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A: Not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000\ M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ M^3$)	FLARE RANK	GAS VENTED ($1000\ M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000\ M^3$)
Avatar Energy Ltd.	100.0%	0.0	96	-	71	-	73	173.1	1.1
Bashaw Oil Ltd.	100.0%	0.0	96	-	71	-	73	1,213.6	306.3
Bentley Oil & Gas Ltd.	100.0%	0.0	96	-	71	-	73	567.9	49.2
Birchill Exploration Limited Partnership	100.0%	0.0	96	-	71	-	73	309.8	965.4
Canext Energy Ltd.	100.0%	0.0	96	-	71	-	73	134.1	21.1
Canyon Oil & Gas Corporation	100.0%	0.0	96	-	71	-	73	115.1	705.4
Condor Canada Petroleum Inc.	100.0%	0.0	96	-	71	-	73	4,052.7	583.6
ConocoPhillips Canada Operations Ltd.	100.0%	0.0	96	-	71	-	73	-	173.3
Conserve Oil & Gas No. II Corporation	100.0%	0.0	96	-	71	-	73	21,144.8	3,392.9
Crew Energy Partnership	100.0%	-	96	-	71	-	73	3,075.8	2,279.5
Diaz Resources Ltd.	100.0%	-	96	-	71	-	73	17.0	374.4
Echoex Ltd.	100.0%	-	96	-	71	-	73	5.5	6.6
Elkwater Resources Ltd.	100.0%	-	96	-	71	-	73	184.6	567.3
Equal Energy Ltd.	100.0%	-	96	-	71	-	73	1,117.3	1,930.4
Fairwest Energy Corporation	100.0%	-	96	-	71	-	73	144.2	296.2
Ferrybank Resources Ltd.	100.0%	-	96	-	71	-	73	1,437.1	374.5
Grandview Exploration Inc.	100.0%	-	96	-	71	-	73	1,699.9	3.5
Hunt Oil Company Of Canada, Inc.	100.0%	-	96	-	71	-	73	446.9	364.8
Knowledge Energy Inc.	100.0%	-	96	-	71	-	73	1,495.0	5,060.7
Mosaic Energy Ltd.	100.0%	-	96	-	71	-	73	289.2	229.0
Northern Patriot Oil & Gas Ltd.	100.0%	-	96	-	71	-	73	327.2	314.6
Omers Energy Inc.	100.0%	-	96	-	71	-	73	29,858.4	36,383.6
Owl River Resources Ltd.	100.0%	-	96	-	71	-	73	519.6	1,050.8
Primrose Drilling Ventures Ltd.	100.0%	-	96	-	71	-	73	52.2	393.4
Renegade Petroleum Ltd.	100.0%	-	96	-	71	-	73	178.1	107.6
RMP Energy Inc.	100.0%	-	96	-	71	-	73	478.4	2,961.0
Rock Energy Inc.	100.0%	-	96	-	71	-	73	3,238.5	5,990.4
Rustler Petroleum Inc.	100.0%	-	96	-	71	-	73	13.1	0.1
Shapco Resources Ltd.	100.0%	-	96	-	71	-	73	1,803.3	970.1
Silver Blaze Energy Ltd.	100.0%	-	96	-	71	-	73	139.1	1.2
Tranion Resources Ltd.	100.0%	-	96	-	71	-	73	61.0	127.5
Vesta Energy Ltd.	100.0%	-	96	-	71	-	73	1,527.2	3,476.7
Westdrum Energy Ltd.	100.0%	-	96	-	71	-	73	881.7	405.2
Yellow Brick Energy Ltd.	100.0%	-	96	-	71	-	73	226.4	107.6
Zargon Oil & Gas Ltd.	100.0%	-	96	-	71	-	73	2,681.2	836.3
TOTALS FOR RED DEER	**98.7%**	**36,140.2**		**26,276.3**		**9,863.9**		**2,855,179.2**	**2,708,496.6**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A: Not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Coral Hill Energy Ltd.	15.9%	18,240.5	1	18,239.8	1	0.7	77	91,209.7	21,685.4
Devon Canada	85.3%	17,811.0	2	17,413.8	2	397.2	9	594,610.3	121,503.0
Penn West Petroleum Ltd.	95.1%	14,750.3	3	10,535.1	4	4,215.2	1	1,155,352.7	299,139.9
Murphy Oil Company Ltd.	69.7%	14,614.9	4	14,614.9	3	-	80	334,599.1	48,291.6
Arcan Resources Ltd.	41.1%	10,424.8	5	10,275.3	5	149.5	26	179,418.3	17,708.1
Pengrowth Energy Corporation	95.1%	9,844.0	6	8,628.9	7	1,215.1	2	687,407.1	201,584.2
Second Wave Petroleum Inc.	73.8%	9,303.7	7	9,303.7	6	-	80	87,648.3	35,442.0
Husky Oil Operations Limited	65.8%	4,860.3	8	4,300.4	8	559.9	7	60,227.7	14,212.9
Harvest Operations Corp.	84.5%	4,277.3	9	3,550.3	9	727.0	6	292,886.4	27,644.1
Shell Canada Energy	97.2%	3,931.2	10	2,822.8	10	1,108.4	3	557,850.0	139,612.0
Lone Pine Resources Canada Ltd.	49.1%	3,055.4	11	2,143.7	11	911.7	4	168,027.7	6,002.4
Apache Canada Ltd.	95.9%	1,975.1	12	1,617.0	14	358.1	10	297,962.0	48,355.7
Baytex Energy Ltd.	72.4%	1,803.9	13	1,769.8	12	34.1	42	89,422.0	6,529.6
Canadian Natural Resources Limited	96.9%	1,659.0	14	1,308.4	16	350.6	12	283,240.1	53,496.0
Exoro Energy Inc.	9.5%	1,655.4	15	1,655.4	13	-	80	4,707.6	1,828.3
Trilogy Resources Ltd.	98.3%	1,438.0	16	1,393.4	15	44.6	38	196,555.3	82,370.2
Midway Energy Ltd.	33.3%	1,345.9	17	1,049.6	17	296.3	14	13,484.6	2,016.3
Westfire Energy Ltd.	93.3%	1,057.9	18	592.5	22	465.4	8	114,251.0	15,818.9
Surge Energy Inc.	96.3%	1,003.8	19	1,003.8	18	-	80	19,760.1	26,786.1
Sure Energy Inc.	91.7%	937.2	20	752.4	20	184.8	23	30,238.3	11,342.5
Arsenal Energy Inc.	17.0%	874.8	21	873.5	19	1.3	74	27,669.6	1,054.2
ARC Resources Ltd.	97.4%	819.3	22	637.8	21	181.5	24	269,024.9	31,220.8
Echoex Ltd.	7.4%	810.1	23	-	102	810.1	5	30,555.1	874.6
Marcal Energy Inc.	93.8%	612.4	24	570.3	23	42.1	39	82,459.6	9,826.4
Pinecrest Energy Inc.	54.9%	574.2	25	377.2	30	197.0	19	64,599.1	1,271.7
Athabasca Oil Sands Corp.	19.9%	540.0	26	454.6	27	85.4	32	565.2	673.9
Guide Exploration Ltd.	97.6%	536.4	27	519.1	24	17.3	51	32,693.3	22,032.5
Response Energy Corporation	77.9%	514.4	28	243.1	38	271.3	15	10,441.0	2,329.2
Nordegg Resources Inc.	83.5%	492.9	29	492.9	25	-	80	22,277.6	2,983.4
Alberta Oilsands Inc.	32.6%	462.2	30	462.2	26	-	80	1,886.8	685.9

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Trafina Energy Ltd.	14.2%	440.8	31	440.8	28	-	80	900.9	513.7
Petrobakken Energy Ltd.	86.6%	414.5	32	244.7	37	169.8	25	21,915.3	3,099.1
Zargon Oil & Gas Ltd.	0.0%	407.9	33	407.9	29	-	80	3,210.8	407.9
Whitehall Energy Ltd.	17.4%	396.4	34	68.0	63	328.4	13	6,812.2	479.6
Bonavista Energy Corporation	96.5%	393.4	35	35.9	74	357.5	11	9,599.5	11,221.7
AvenEx Energy Corp.	53.4%	377.8	36	349.5	32	28.3	45	12,356.3	810.4
Enerplus Partnership	99.2%	358.7	37	146.8	45	211.9	17	53,714.4	42,421.6
Exall Energy Corporation	95.1%	353.6	38	232.6	39	121.0	29	79,546.4	7,242.1
Longview Oil Corp.	89.7%	352.9	39	352.9	31	-	80	16,183.3	3,425.2
Iteration Energy	82.7%	334.5	40	318.9	33	15.6	54	15,064.7	1,937.0
Advantage Oil & Gas Ltd.	89.3%	314.5	41	126.4	48	188.1	20	11,328.3	2,945.3
Pace Oil & Gas Ltd.	1.0%	306.8	42	284.8	34	22.0	49	7,421.3	309.9
Mosaic Energy Ltd.	79.4%	279.4	43	75.1	60	204.3	18	8,235.8	1,358.4
Mec Operating Company ULC	99.2%	276.4	44	263.4	36	13.0	56	58,892.6	32,689.9
Tangle Creek Energy Ltd.	63.5%	272.1	45	272.1	35	-	80	5,616.7	744.9
Midlake Oil & Gas Limited	23.0%	263.1	46	-	102	263.1	16	2,108.9	341.5
Indra Oil & Gas Ltd.	0.0%	221.7	47	221.7	40	-	80	600.0	221.7
Barnwell of Canada, Limited	27.6%	212.7	48	212.7	41	-	80	5,386.6	293.8
Signalta Resources Limited	1.4%	196.9	49	11.0	89	185.9	22	2,466.7	199.7
Novus Energy Inc.	49.6%	192.1	50	192.1	42	-	80	1,713.5	381.2
Sword Energy Inc.	98.6%	191.5	51	5.3	95	186.2	21	18,196.9	13,210.7
Cougar Oil And Gas Canada Inc.	0.0%	186.9	52	53.6	69	133.3	28	5,326.4	186.9
Persta Resources Inc.	0.0%	183.0	53	164.7	43	18.3	50	5,319.1	183.0
Talisman Energy Inc.	89.2%	147.9	54	65.7	66	82.2	33	9,220.2	1,369.0
Conocophillips Western Canada Partnership	98.2%	146.9	55	146.9	44	-	80	51,762.4	8,201.2
Halvar Resources Ltd.	10.7%	139.0	56	139.0	46	-	80	445.5	155.6
Dark Energy Ltd.	66.0%	138.8	57	-	102	138.8	27	7,427.1	407.9
Bonterra Energy Corp.	81.9%	137.0	58	69.8	61	67.2	36	2,298.7	754.9
Redwater Energy Corp.	68.9%	136.1	59	136.1	47	-	80	2,592.3	437.7
NAL Resources Limited	96.7%	135.6	60	94.6	54	41.0	40	13,115.1	4,119.3
Vermilion Resources Ltd.	97.1%	126.5	61	110.5	51	16.0	53	55,036.8	4,282.1
Southern Pacific Resource Corp.	0.0%	123.9	62	123.9	49	-	80	676.8	36.2
Barrick Energy Inc.	57.4%	122.4	63	119.3	50	3.1	66	1,662.8	287.4
Ravenwood Energy Corp.	87.7%	110.1	64	109.1	52	1.0	75	9,021.8	893.9
Glencoe Resources Ltd.	0.0%	104.0	65	-	102	104.0	30	337.7	104.0

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Crescent Point Energy Corp.	88.9%	99.5	66	99.5	53	-	80	636.5	894.5
Cougar Energy Inc.	0.0%	97.0	67	38.4	73	58.6	37	2,372.6	97.0
Pradera Resources Inc.	76.5%	91.1	68	2.7	100	88.4	31	39,871.6	388.2
NEP Canada ULC	99.2%	90.8	69	90.8	55	-	80	20,654.1	10,663.7
Bumper Development Corporation Ltd.	0.0%	87.9	70	81.8	58	6.1	61	45.1	87.9
Regco Petroleums Ltd.	16.2%	87.2	71	87.2	56	-	80	1,358.0	104.1
Canflame Energy Ltd.	95.6%	84.3	72	84.3	57	-	80	1,036.8	1,910.1
Invicta Energy Corp.	0.0%	82.2	73	-	102	82.2	33	328.7	82.2
EOG Resources Canada Inc.	4.1%	79.3	74	79.3	59	-	80	419.3	82.7
Stout Energy Inc.	0.0%	73.4	75	-	102	73.4	34	1,523.1	73.4
Chinook Energy Partnership	72.5%	70.9	76	0.4	101	70.5	35	395.1	257.6
International Sovereign Energy Corp.	15.7%	69.2	77	69.2	62	-	80	563.5	82.1
Fairborne Energy Ltd.	67.9%	66.1	78	66.1	64	-	80	305.2	206.2
Bernum Petroleum Ltd.	0.0%	65.9	79	65.9	65	-	80	2,968.1	65.9
Rustum Petroleums Limited	0.0%	61.8	80	58.0	67	3.8	65	2,453.2	61.8
Dolomite Energy Inc.	0.0%	56.3	81	56.2	68	0.1	79	5,270.1	56.3
B&G Energy Ltd.	27.9%	51.3	82	51.3	70	-	80	401.3	71.1
Jaco Energy Limited	94.3%	49.3	83	49.3	71	-	80	3,482.1	862.5
Leddy Exploration Limited	93.7%	40.1	84	27.8	78	12.3	57	2,326.9	640.6
Orion Oil & Gas Corporation	99.6%	39.9	85	17.7	84	22.2	48	40,404.7	9,516.2
Coastal Resources Limited	92.0%	39.3	86	24.6	79	14.7	56	11,404.4	490.7
TAQA North Ltd.	99.8%	39.3	86	39.3	72	-	80	15,434.6	24,337.6
Border Petroleum Corp.	0.0%	38.9	87	-	102	38.9	41	2,191.0	38.9
Primrose Drilling Ventures Ltd.	0.0%	33.7	88	-	102	33.7	43	586.6	33.7
Beaver Lake Resources Corporation	0.0%	33.6	89	33.6	75	-	80	500.9	33.6
Kingsmere Resources Ltd.	92.6%	32.5	90	28.3	77	4.2	64	2,942.7	438.9
New North Resources Ltd.	0.0%	31.1	91	-	102	31.1	44	704.5	31.1
Newalta Corporation	0.0%	29.6	92	29.6	76	-	80	1,113.9	29.6
Vero Energy Inc.	99.5%	27.5	93	-	102	27.5	46	3,708.7	5,841.2
Celtic Exploration Ltd.	99.2%	26.0	94	-	102	26.0	47	13,362.7	3,178.0
Border Acquisition Corporation	98.1%	23.0	95	23.0	80	-	80	819.6	1,233.9
Surat Energy Inc.	0.0%	23.0	95	20.4	82	2.6	69	971.7	23.0
Clearbrook Resources Inc.	93.4%	21.1	96	21.1	81	-	80	2,330.2	319.9
Kootenay Energy Inc.	73.4%	20.2	97	20.2	83	-	80	5,117.7	76.0
Anderson Energy Ltd.	99.0%	17.2	98	17.2	85	-	80	2,581.6	1,639.2

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Daylight Energy Ltd.	99.6%	17.2	98	17.2	85	-	80	14,962.5	4,514.2
Nexxtep Resources Ltd.	81.7%	17.2	98	17.0	86	0.2	78	147.4	94.1
Shoreline Acquisition Corp.	13.5%	16.6	99	-	102	16.6	52	1,191.6	19.2
Blackpearl Resources Inc.	99.9%	15.2	100	15.2	87	-	80	39,899.9	12,694.6
TORC Oil & Gas Ltd.	21.2%	13.4	101	12.7	88	0.7	77	687.5	17.0
Terrex Energy Inc.	99.6%	12.0	102	9.5	90	2.5	70	7,753.0	2,892.8
Koch Oil Sands Operating ULC	0.0%	10.4	103	-	102	10.4	58	5,520.1	10.4
Wrangler West Energy Corp.	99.9%	9.6	104	8.3	91	1.3	74	8,541.8	7,896.1
Cequence Energy Ltd.	99.3%	7.1	105	-	102	7.1	59	1,140.2	1,002.0
Perpetual Energy Operating Corp.	99.1%	6.6	106	6.6	92	-	80	733.9	745.7
Quatro Resources Inc.	99.8%	6.2	107	-	102	6.2	60	680.9	2,440.9
Detector Exploration Ltd.	7.6%	6.1	108	6.1	93	-	80	1,150.2	6.6
Direct Energy Marketing Limited	99.9%	5.9	109	5.9	94	-	80	8,515.3	5,266.8
KinMerc Oil & Gas Inc.	96.4%	5.3	110	4.0	96	1.3	74	3,389.2	148.2
Emerald Bay Energy Inc.	0.0%	4.9	111	-	102	4.9	62	509.2	4.9
Bering Exploration, Company, Ulc	85.8%	4.6	112	-	102	4.6	63	696.2	32.3
Sifton Energy Inc.	0.0%	3.5	113	3.5	97	-	80	41.6	3.5
Hawk Exploration Ltd.	15.8%	3.2	114	3.2	98	-	80	392.1	3.8
Fox Creek Petroleum Corp.	99.6%	3.0	115	-	102	3.0	67	3,054.4	668.9
North Peace Energy Corp.	N/A	-	N/A	-	N/A	-	N/A	-	-
Eastnell Resources Ltd.	0.0%	2.8	116	-	102	2.8	68	113.6	2.8
Alka Resources Ltd.	95.2%	2.4	117	-	102	2.4	71	615.3	49.8
Scollard Energy Inc.	98.7%	2.4	117	-	102	2.4	71	509.1	184.7
Delphi Energy Corp.	0.0%	1.6	118	-	102	1.6	72	830.1	1.6
Hillsdale Drilling Ltd.	0.0%	1.5	119	-	102	1.5	73	250.2	1.5
Progress Energy Ltd.	99.9%	0.9	120	-	102	0.9	76	2,815.7	1,079.0
Corex Resources Ltd.	100.0%	0.1	121	-	102	0.1	79	2,476.6	649.2
Trihawk Energy Ltd.	75.0%	0.1	121	-	102	0.1	79	16.8	0.4
AltaGas Ltd.	100.0%	-	122	-	102	-	80	230.2	794.9
Artemis Exploration Inc.	N/A	-	N/A	-	N/A	-	N/A	174.9	-
Bounty Developments Ltd.	100.0%	-	122	-	102	-	80	266.9	5.6
CNPC International (Canada) Ltd.	100.0%	-	122	-	102	-	80	314.4	187.2
ConocoPhillips Canada (BRC) Partnership	100.0%	-	122	-	102	-	80	5,814.6	3,834.3
Crocotta Energy Inc.	100.0%	-	122	-	102	-	80	118.2	549.2
Culane Energy Corp.	100.0%	-	122	-	102	-	80	1,580.1	391.5

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Desmarais Energy Corporation	100.0%	-	122	-	102	-	80	1,606.2	1,131.4
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp.	N/A	-	N/A	-	N/A	-	N/A	36.1	-
Inception Exploration Ltd.	100.0%	-	122	-	102	-	80	70.4	64.5
Ironhorse Oil & Gas Inc.	100.0%	-	122	-	102	-	80	9,597.4	283.0
Ish Energy Ltd.	100.0%	-	122	-	102	-	80	765.4	44.9
Land Petroleum International Inc.	N/A	-	N/A	-	N/A	-	N/A	30.5	-
Legend Energy Canada Ltd.	N/A	-	N/A	-	N/A	-	N/A	96.5	-
Linklater Lp	100.0%	-	122	-	102	-	80	974.3	1.7
Malak Energy Inc.	N/A	-	N/A	-	N/A	-	N/A	34.4	-
MOGL Corp.	100.0%	-	122	-	102	-	80	220.4	324.1
One Earth Oil & Gas Inc.	100.0%	-	122	-	102	-	80	145.8	753.0
OneEx Operations Partnership	100.0%	-	122	-	102	-	80	42.7	16.9
Online Energy Inc.	100.0%	-	122	-	102	-	80	471.9	270.5
Owl River Resources Ltd.	100.0%	-	122	-	102	-	80	764.0	54.0
Petro-Reef Resources Ltd.	100.0%	-	122	-	102	-	80	12,023.0	6,700.7
Revive Energy Corp.	100.0%	-	122	-	102	-	80	36.4	2.6
RIA Resources Corp.	100.0%	-	122	-	102	-	80	1,703.5	1,375.4
Rife Resources Ltd.	100.0%	-	122	-	102	-	80	1,240.9	385.9
RMP Energy Inc.	100.0%	-	122	-	102	-	80	5,189.6	2,044.5
SGG Resources Inc.	N/A	-	N/A	-	N/A	-	N/A	323.6	-
Sunrise Energy Ltd.	N/A	-	N/A	-	N/A	-	N/A	288.1	-
Twin Butte Energy Ltd.	100.0%	-	122	-	102	-	80	2,564.7	805.8
Twoco Petroleums Ltd.	100.0%	-	122	-	102	-	80	2,748.4	835.2
Westhill Resources Limited	100.0%	-	122	-	102	-	80	1,022.0	6,596.1
Yoho Resources Inc.	100.0%	-	122	-	102	-	80	274.9	3,421.4
TOTALS FOR ST. ALBERT	**90.8%**	**140,784.4**		**124,592.9**		**16,191.5**		**6,654,605.9**	**1,535,250.9**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Husky Oil Operations Limited	67.1%	28,508.6	1	2,219.7	6	26,288.9	1	1,228,307.5	86,734.9
Canadian Natural Resources Limited	80.6%	13,813.5	2	178.4	25	13,635.1	2	445,845.4	71,106.1
Harvest Operations Corp.	86.4%	9,010.0	3	5,401.0	1	3,609.0	5	619,914.7	65,989.5
Bonavista Energy Corporation	68.2%	8,001.9	4	749.1	15	7,252.8	3	100,850.0	25,163.0
Talisman Energy Inc.	76.5%	6,874.9	5	3,530.8	3	3,344.1	6	649,738.3	29,191.4
Devon Canada	76.7%	6,483.9	6	-	65	6,483.9	4	276,002.5	27,850.9
Penn West Petroleum Ltd.	86.3%	5,411.5	7	4,862.3	2	549.2	15	363,057.4	39,519.7
Apache Canada Ltd.	86.0%	4,700.1	8	2,078.6	7	2,621.5	8	131,313.1	33,520.8
Lone Pine Resources Canada Ltd.	81.0%	3,520.2	9	436.6	21	3,083.6	7	30,280.2	18,567.6
Cutpick Energy Inc.	93.5%	3,136.2	10	3,124.8	4	11.4	46	123,138.6	48,372.7
Gear Energy Ltd.	87.6%	2,546.0	11	102.3	34	2,443.7	9	104,420.7	20,562.0
Silverback Energy Ltd.	54.2%	2,319.9	12	2,270.0	5	49.9	31	10,039.2	5,059.8
NuVista Energy Ltd.	68.2%	2,141.9	13	931.1	10	1,210.8	11	128,573.5	6,735.9
Equal Energy Ltd.	87.1%	1,394.3	14	945.2	9	449.1	18	71,348.5	10,791.2
Surge Energy Inc.	84.3%	1,380.4	15	1,330.9	8	49.5	32	84,101.1	8,762.7
Northern Blizzard Resources Inc.	74.7%	1,227.0	16	-	65	1,227.0	10	14,462.4	4,851.6
Westfire Energy Ltd.	86.7%	946.8	17	141.4	29	805.4	12	40,321.3	7,091.5
Crescent Point Energy Corp.	84.7%	944.7	18	879.5	12	65.2	30	62,750.3	6,167.9
Goldenkey Oil Inc.	17.5%	929.3	19	929.3	11	-	71	1,193.8	1,126.3
Emerge Oil & Gas Inc.	83.6%	859.8	20	538.6	17	321.2	20	60,077.4	5,226.0
Fairwest Energy Corporation	5.6%	822.9	21	750.9	14	72.0	27	8,952.9	871.9
Charger Energy Corp.	22.4%	775.9	22	775.9	13	-	71	2,056.8	1,000.1
Rock Energy Inc.	80.2%	709.0	23	2.7	58	706.3	13	64,202.8	3,572.9
NAL Resources Limited	77.0%	664.8	24	560.4	16	104.4	26	19,678.8	2,893.8
Lift Resources Inc.	9.9%	572.7	25	-	65	572.7	14	18,055.7	635.3
Twin Butte Energy Ltd.	93.0%	515.9	26	490.8	19	25.1	38	12,868.7	7,398.2
Arsenal Energy Inc.	86.2%	513.4	27	499.5	18	13.9	44	36,330.5	3,713.9
Palliser Oil & Gas Corporation	9.7%	500.0	28	-	65	500.0	16	13,929.8	553.5
Caltex Energy Inc.	52.8%	487.2	29	-	65	487.2	17	14,241.3	1,032.4
Zargon Oil & Gas Ltd.	92.0%	440.4	30	439.2	20	1.2	63	51,172.8	5,504.4
Rife Resources Ltd.	80.3%	374.7	31	172.7	26	202.0	23	88,042.5	1,902.0
Kasten Energy Inc.	0.0%	359.5	32	-	65	359.5	19	4,979.8	359.5
Muirfield Resources Ltd.	75.8%	300.1	33	279.7	22	20.4	40	3,684.8	1,238.9
Avalon Exploration Ltd.	0.0%	270.7	34	-	65	270.7	21	13,741.3	270.7
Black Shire Energy Inc.	96.0%	249.2	35	246.0	23	3.2	57	154,995.8	6,172.3

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Perpetual Energy Operating Corp.	96.3%	214.7	36	6.2	56	208.5	22	34,108.5	5,755.0
International Sovereign Energy Corp.	7.1%	185.5	37	184.2	24	1.3	62	1,619.9	199.6
Tallgrass Energy Corp.	79.6%	181.2	38	172.3	27	8.9	51	8,522.8	886.7
Ceno Energy Limited	41.8%	162.9	39	31.5	43	131.4	25	4,514.6	280.1
Culane Energy Corp.	96.7%	159.9	40	25.2	44	134.7	24	23,093.6	4,873.9
Hermes Financial Inc.	59.1%	147.1	41	147.1	28	-	71	3,857.4	359.2
Sedna Oil And Gas Ltd.	3.9%	136.4	42	134.4	30	2.0	59	757.0	142.0
Petrosands Resources (Canada) Inc.	98.2%	132.2	43	132.2	31	-	71	14,023.6	7,413.7
Crew Energy Inc.	97.4%	122.4	44	122.4	32	-	71	8,079.2	4,646.7
Blackhawk Resource Operating Corp.	36.8%	113.7	45	113.7	33	-	71	5,230.9	179.9
Barrick Energy Inc.	96.1%	91.0	46	22.9	45	68.1	28	18,299.6	2,331.3
Diaz Resources Ltd.	78.6%	77.1	47	63.7	36	13.4	45	10,989.5	360.9
Whitecap Resources Inc.	0.0%	75.7	48	75.7	35	-	71	5,031.1	75.7
Pengrowth Energy Corporation	99.6%	67.4	49	-	65	67.4	29	93,945.5	15,425.1
Petrocapita GP I Ltd.	22.2%	63.0	50	36.0	40	27.0	36	2,269.2	81.0
Enerplus Partnership	98.6%	61.4	51	16.3	48	45.1	33	146,366.6	4,466.9
Fort Calgary Resources Ltd.	10.2%	55.6	52	55.6	37	-	71	3,297.0	61.9
AvenEx Energy Corp.	34.2%	50.3	53	42.6	39	7.7	53	3,984.9	76.4
Harness Petroleum Inc.	0.0%	47.0	54	47.0	38	-	71	220.4	47.0
Cenovus Energy Inc.	99.6%	35.0	55	35.0	41	-	71	148,757.1	9,641.9
MKE Canada Ltd.	48.7%	33.7	56	33.4	42	0.3	68	1,223.3	65.7
Barcomp Petroleum Ltd.	0.0%	31.1	57	-	65	31.1	34	6,815.6	31.1
Goodland Energy Ltd.	73.0%	30.5	58	-	65	30.5	35	2,126.5	113.0
Pavilion Energy Corp.	83.7%	30.2	59	4.0	57	26.2	37	10,619.5	185.5
Taku Gas Limited	89.2%	21.9	60	21.8	46	0.1	70	6,079.0	202.8
Solara Exploration Ltd.	2.8%	21.1	61	-	65	21.1	39	1,165.1	21.7
Scollard Energy Inc.	93.3%	18.9	62	17.9	47	1.0	65	2,031.7	282.1
Western Plains Petroleum Ltd.	95.5%	18.0	63	-	65	18.0	41	6,154.5	399.7
Baytex Energy Ltd.	96.4%	17.4	64	-	65	17.4	42	5,494.1	486.0
Croverro Energy Ltd.	0.0%	15.4	65	-	65	15.4	43	606.4	15.4
Jaco Energy Limited	75.6%	14.1	66	10.2	51	3.9	54	1,866.0	57.8
Response Energy Corporation	17.6%	13.6	67	2.3	59	11.3	47	163.0	16.5
Second Wave Petroleum Inc.	98.1%	11.9	68	11.9	49	-	71	1,176.4	629.5
TAQA North Ltd.	97.4%	11.6	69	0.4	63	11.2	48	7,011.4	450.9
Sahara Energy Ltd.	85.6%	10.5	70	-	65	10.5	49	1,498.3	73.1

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FIELD CENTRE RANKING OF OPERATORS - 2011 FLARED + VENTED VOLUME[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Spry Energy Ltd.	0.0%	10.3	71	10.3	50	-	71	2,098.8	10.3
ConocoPhillips Canada (BRC) Partnership	99.8%	10.2	72	1.2	62	9.0	50	39,782.7	5,727.3
Magnum Energy Inc.	79.9%	10.2	72	6.6	54	3.6	55	1,856.2	50.8
Iteration Energy	84.2%	9.2	73	1.3	61	7.9	52	2,656.5	58.3
Redwater Energy Corp.	0.0%	8.0	74	8.0	52	-	71	38.0	8.0
Verity Energy Ltd.	99.0%	8.0	74	8.0	52	-	71	769.6	774.0
Venturion Natural Resources Limited	99.7%	7.1	75	7.1	53	-	71	16,311.8	2,728.4
Advantage Oil & Gas Ltd.	77.6%	6.3	76	6.3	55	-	71	356.1	28.1
Gunnarr Resources Inc.	0.0%	3.9	77	-	65	3.9	54	750.4	3.9
Ener T Corporation	0.0%	3.5	78	-	65	3.5	56	2,085.2	3.5
Sun Century Petroleum Corporation	96.0%	2.4	79	-	65	2.4	58	5,901.4	59.3
Hawk Exploration Ltd.	99.9%	2.2	80	2.0	60	0.2	69	15,212.1	2,435.3
611890 Alberta Inc.	0.0%	1.6	81	-	65	1.6	60	6,040.9	1.6
Sojourn Energy Inc.	60.5%	1.5	82	-	65	1.5	61	326.5	3.8
T & E Oils Ltd.	67.5%	1.3	83	1.3	61	-	71	258.4	4.0
Grand Rapids Petroleum Ltd.	0.0%	1.2	84	-	65	1.2	63	683.8	1.2
Brahma Resources Ltd.	97.6%	1.1	85	-	65	1.1	64	622.2	46.1
Forent Energy Ltd.	0.0%	1.1	85	-	65	1.1	64	270.5	1.1
Marquee Energy Ltd.	0.0%	0.9	86	-	65	0.9	66	639.6	0.9
Kairos Resources (2011) Ltd.	20.0%	0.4	87	-	65	0.4	67	674.9	0.5
Manitok Energy Inc.	0.0%	0.4	87	-	65	0.4	67	284.3	0.4
Spur Resources Ltd.	0.0%	0.4	87	-	65	0.4	67	224.4	0.4
Nextraction Energy Corp.	0.0%	0.2	88	0.2	64	-	71	85.8	0.2
Tamarack Valley Energy Ltd.	0.0%	0.2	88	-	65	0.2	69	100.9	0.2
Mooncor Energy Inc.	99.7%	0.1	89	-	65	0.1	70	599.1	35.3
Northern Utilities (sask.) Ltd.	50.0%	0.1	89	-	65	0.1	70	332.8	0.2
Seffian Petroleums Ltd.	0.0%	0.1	89	-	65	0.1	70	27.5	0.1
Westdrum Energy Ltd.	0.0%	0.1	89	-	65	0.1	70	81.1	0.1
Wild Stream Exploration Inc.	0.0%	0.1	89	-	65	0.1	70	243.6	0.1
AltaCanada Energy Partnership	100.0%	-	90	-	65	-	71	39.1	26.9
Amco Energy Ltd.	N/A	-	N/A	-	N/A	-	N/A	12.8	-
Artemis Exploration Inc.	100.0%	-	90	-	65	-	71	5,582.6	429.3
Atka Energy Corp.	N/A	-	N/A	-	N/A	-	N/A	77.7	-
Barrier Reef Resources Ltd.	N/A	-	N/A	-	N/A	-	N/A	16.4	-
Cascade Resources Inc.	100.0%	-	90	-	65	-	71	506.9	25.7

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WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: May 9, 2012

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Chinook Energy Inc.	N/A	-	N/A	-	N/A	-	N/A	65.5	-
Five O Oil & Gas Ltd.	100.0%	-	90	-	65	-	71	356.1	6.0
Fox Creek Petroleum Corp.	100.0%	-	90	-	65	-	71	512.4	114.6
Gpi Oil & Gas Inc.	N/A	-	N/A	-	N/A	-	N/A	14.1	-
Halvar Resources Ltd.	100.0%	-	90	-	65	-	71	10,056.4	103.6
Ironhorse Oil & Gas Inc.	100.0%	-	90	-	65	-	71	1,307.7	673.0
Lockwood Resources Ltd.	100.0%	-	90	-	65	-	71	-	873.2
LOF Energy Ltd.	N/A	-	N/A	-	N/A	-	N/A	25.0	-
Navarone Energy Corporation	N/A	-	N/A	-	N/A	-	N/A	8.4	-
Northern Spirit Resources Inc.	100.0%	-	90	-	65	-	71	70.8	47.8
Omers Energy Inc.	100.0%	-	90	-	65	-	71	132.9	453.3
Onstad Energy Corp.	100.0%	0.0	90	0.0	65	0.0	71	1,271.2	39.1
Optimal Resources Inc.	100.0%	-	90	-	65	-	71	572.7	7.6
Pennine Petroleum Corporation	100.0%	-	90	-	65	-	71	711.8	2.4
Petro Viking Management Corp.	N/A	-	N/A	-	N/A	-	N/A	3.9	-
RON Resources Ltd.	N/A	-	N/A	-	N/A	-	N/A	7.8	-
Signalta Resources Limited	100.0%	0.0	90	0.0	65	0.0	71	5,254.6	2,216.9
Sterling Eagle Oil Corporation	100.0%	0.0	90	0.0	65	0.0	71	2,232.6	129.5
Teague Exploration Inc.	100.0%	0.0	90	0.0	65	0.0	71	18,158.4	1,320.5
TriOil Resources Ltd.	100.0%	0.0	90	0.0	65	0.0	71	1,136.9	265.3
Unicorn Agri-Oil Ltd.	100.0%	0.0	90	0.0	65	0.0	71	163.1	5.0
Verge Energy Corp.	N/A	0.0	N/A	0.0	N/A	0.0	N/A	7.7	-
Vero Energy Inc.	N/A	0.0	N/A	0.0	N/A	0.0	N/A	278.5	-
Vertex Oil & Gas Ltd.	100.0%	0.0	90	0.0	65	0.0	71	3.5	2.0
Waldron Energy Corporation	100.0%	0.0	90	0.0	65	0.0	71	966.4	792.8
Waseca Energy Inc.	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.2	-
West Isle Energy Inc.	N/A	0.0	N/A	0.0	N/A	0.0	N/A	19.3	-
Wildcat Rentals Ltd.	100.0%	0.0	90	0.0	65	0.0	71	1,154.3	122.4
Zeal Energy Inc.	100.0%	0.0	90	0.0	65	0.0	71	689.5	71.9
TOTALS FOR WAINWRIGHT	**82.1%**	**114,278.8**		**36,485.6**		**77,793.2**		**5,794,401.7**	**639,559.2**

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